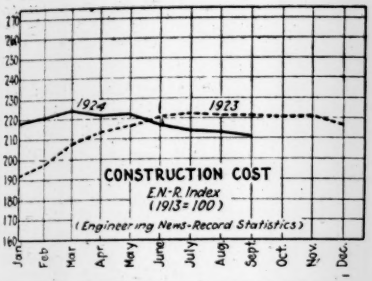
CONSTRUCTION NEWS

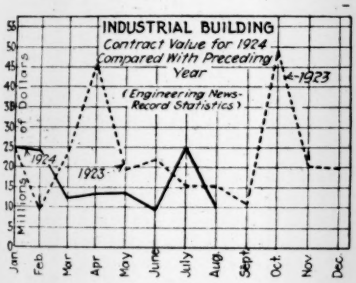
Engineering News-Record, September 11, 1924

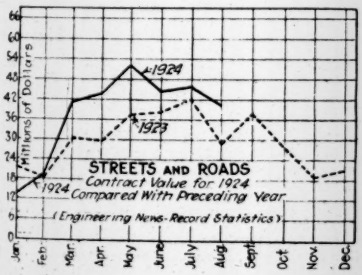
The Construction Barometer

Prices Showing Firmness—Increase in Lettings for Private Buildings—Downward Cost Trend from May to August Resulted in Higher Volume of Construction

THE consistent downward trend in cost since May is evidently one of the principal causes of the equally consistent rise in the volume of construction since June, this year. This, of course, means the actual quantities of materials used in terms of 1913 purchasing power and not the money value of the contracts let. While there was a seasonal slump in streets and roads, bridges and industrial and commercial buildings during August, the trend is now upward in water-works, sewers, excavations, drainage and irrigation projects. During the past week, however, lettings were heavier for private work, particularly large commercial and industrial buildings.




INDUSTRIAL BUILDING
Contract Value for 1924 Compared With Preceding Year
(Engineering News-Record Statistics)
Millions of Dollars
1924
1923
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


STREETS AND ROADS
Contract Value for 1924 Compared With Preceding Year
(Engineering News-Record Statistics)
Millions of Dollars
1924
1923
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Aug. 21	$18,987,000	$18,534,000	$37,521,000
Aug. 28	23,774,000	11,329,000	35,103,000
Sept. 4	16,650,000	21,225,000	37,875,000
3 weeks	$59,411,000	$51,088,000	$110,499,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

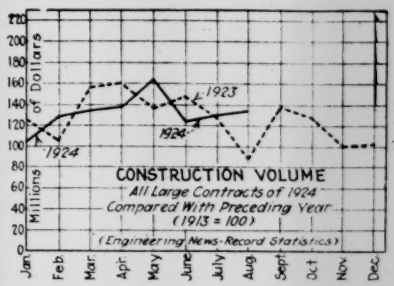
Week Ended	Commercial Public No.	Commercial Public Thousand	Commercial Private No.	Commercial Private Thousand	Industrial No.	Industrial Thousand
Aug. 21	7	$1,381	45	$13,959	20	$3,493
Aug. 28	15	5,431	31	10,057	11	747
Sept. 4	8	2,974	39	18,488	30	2,532
3 weeks	30	$9,786	115	$42,504	61	$6,772

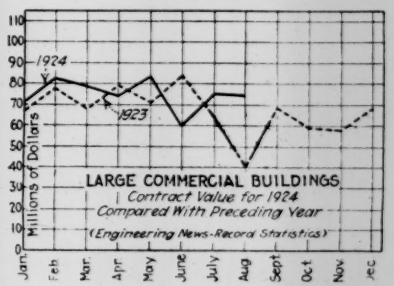
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

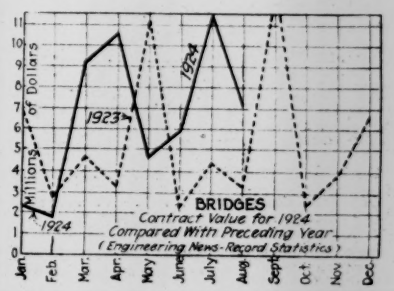
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Aug. 21	30	52	76	39	198
Aug. 28	40	47	59	34	176
Sept. 4	23	29	61	38	167

PRICES FIRMER WITH EXCEPTION OF STEEL SHAPES

	Quoted on Sept. 4 at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$1.95 @2.10	$1.95 @2.15	Sept. 4
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M.ft.	58.00	57.00	Aug. 28
Fir, San Fran., M.ft.	29.00	31.00	Aug. 28
Common labor, hr.	56	55	Apr. 24


CONSTRUCTION VOLUME
All Large Contracts of 1924 Compared With Preceding Year
(1913 = 100)
(Engineering News-Record Statistics)
Millions of Dollars
1924
1923
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


LARGE COMMERCIAL BUILDINGS
Contract Value for 1924 Compared With Preceding Year
(Engineering News-Record Statistics)
Millions of Dollars
1924
1923
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


BRIDGES
Contract Value for 1924 Compared With Preceding Year
(Engineering News-Record Statistics)
Millions of Dollars
1924
1923
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Sept. 11	New York, N. Y.	Sept. 4
Sept. 12	Long Island City, N. Y.	Sept. 4
Sept. 15	Buffalo, N. Y.	Sept. 4
Sept. 15	Seminole, Okla.	Sept. 11
Sept. 15	Watertown, Wis.	Sept. 11
Sept. 16	Berwick, La.	Sept. 11
Sept. 16	Phila., Pa.	Sept. 11
Sept. 16	New York, N. Y.	Sept. 11
Sept. 17	North Collins, N. Y.	Aug. 28
Sept. 17	Tracy, Calif.	Sept. 11
Sept. 17	Cleveland, O.	Sept. 11
Sept. 19	Chicago, Ill.	Aug. 28
Sept. 22	Oakland City, Ind.	Aug. 28
Sept. 22	Davidson, N. C.	Sept. 11
Sept. 23	Shreveport, La.	Sept. 4
	Adv. Sept. 4 and 11.	
Sept. 24	Oxford, N. C.	Sept. 4
	Adv. Sept. 4 and 11.	
Sept. 25	Warren, O.	Sept. 11
	Adv. Sept. 11.	
Sept. 26	Carrington, N. D.	Sept. 11
Oct. 1	Greenville, O.	Sept. 4
	Adv. Sept. 4 and 11.	
Oct. 1	Thomasville, N. C.	Sept. 11
	Adv. Sept. 11.	

SEWERS

Bids Close		See Eng. News-Record
Sept. 12	Garfield Heights (Cleveland P. O.), O.	Sept. 11
Sept. 15	Ogdensburg, N. Y.	Sept. 11
Sept. 16	New York, N. Y.	Sept. 11
Sept. 17	Grand Rapids, Mich.	Aug. 28
Sept. 17	Little Ferry, N. Y.	Sept. 4
	Adv. Sept. 4 and 11.	
Sept. 17	Baltimore, Md.	Sept. 11
Sept. 18	Oil City, Pa.	Sept. 4
Sept. 22	Hawley, Minn.	Sept. 11
Sept. 23	St. Louis, Mo.	Sept. 4
	Adv. Sept. 4 and 11.	
Sept. 30	Elizabethtown, Pa.	Sept. 11
	Adv. Sept. 11.	

WASTE DISPOSAL

Bids Close		See Eng. News-Record
Sept. 23	Buffalo, N. Y.	Sept. 4

BRIDGES

Bids Close		See Eng. News-Record
Sept. 15	Wichita, Kan.	Aug. 21
Sept. 15	Richvale, Calif.	Sept. 4
Sept. 15	Newton, Ia.	Sept. 11
Sept. 17	Freehold, N. J.	Aug. 28
	Adv. Aug 28 to Sept. 11.	
Sept. 17	Phila., Pa.	Sept. 11
	Adv. Sept. 4 and 11.	
Sept. 19	Nebraska	Sept. 4
Sept. 19	Minnesota	Sept. 11
Sept. 22	Los Angeles, Calif.	Aug 28

Bids Close		See Eng. News-Record
Sept. 22	Scarsdale, N. Y. Adv. Sept. 4 and 11.	Sept. 11
Sept. 23	Port Jervis, N. Y. Adv. Sept. 11.	Sept. 11
Oct. 1	Merced, Calif. Adv. Aug 28 to Sept. 11.	Aug. 28
Oct. 2	Yonkers, N. Y. Adv. Sept 11.	Sept. 11

DAMS

Sept. 19	Lake Hopatcong, N. J. Adv. Sept. 4 and 11.	Sept. 4
Sept. 29	Los Angeles Calif. Adv. Sept. 4 and 11.	Sept. 4

EXCAVATION, DRAINAGE IRRIGATION

Sept. 15	Missouri	Sept. 4
Sept. 18	Kennett, Mo.	Aug. 28
Oct. 7	Lake Charles, La. Adv. Sept. 11.	Aug. 21
Oct. 14	Massachusetts	Aug. 7

STREETS AND ROADS

Sept. 12	Ohio	Sept. 11
Sept. 13	Abbeville, La.	Aug. 21
Sept. 13	Marysville, Mo.	Sept. 11
Sept. 15	Michigan	Sept. 11
Sept. 15	Wayne, W. Va.	Aug. 21
Sept. 15	Madison, Ind.	Aug. 28
Sept. 15	Fort Meade, Fla.	Sept. 4
Sept. 15	Ocean City, N. J. Adv. Sept. 4 and 11.	Sept. 4
Sept. 15	Lexington, S. C.	Sept. 4
Sept. 15	Wichita Falls, Tex.	Sept. 4
Sept. 15	Centralia, Mo.	Sept. 11
Sept. 15	Des Moines, La.	Sept. 11
Sept. 15	St. George, N. Y.	Sept. 11
Sept. 15	West Allis, Wis.	Sept. 11
Sept. 16	Massachusetts	Sept. 11
Sept. 16	Michigan	Sept. 11
Sept. 16	Crosswicks, N. J.	Aug. 28
Sept. 16	New Orleans, Lo.	Aug. 14
Sept. 16	Washington	Sept. 4
Sept. 16	New Albany, Miss.	Sept. 4
Sept. 16	Aiken, S. C.	Sept. 4
Sept. 16	Louisiana	Sept. 11
Sept. 16	New York, N. Y.	Sept. 11
Sept. 17	Barnwell, S. C.	Sept. 4
Sept. 17	Corinth, Miss.	Sept. 4
Sept. 17	Phila., Pa.	Sept. 4
Sept. 17	Tipton, Ia.	Sept. 11
Sept. 17	Brooklyn, N. Y.	Sept. 11
Sept. 18	Calhoun City, Miss.	Sept. 4
Sept. 18	Boston, Tex.	Sept. 4
Sept. 18	Bennettsville, S. C.	Sept. 11
Sept. 18	Michigan	Sept. 11
Sept. 18	Fort Smith, Ark.	Sept. 11
Sept. 19	Minnesota	Sept. 11
Sept. 19	St. George, S. Q.	Sept. 11
Sept. 22	Waco, Tex.	Sept. 4
Sept. 22	California	Sept. 11
Sept. 23	Belzoni, Miss.	Sept. 4
Sept. 23	Pennsylvania Adv. Sept. 4 and 11.	Sept. 4
Sept. 23	Amarillo, Tex.	Sept. 11
Sept. 23	Crystal Lake, Ill.	Sept. 11
Sept. 23	New Jersey	Sept. 11
Sept. 23	Mississippi	Sept. 11
Sept. 23	Trenton, N. J.	Sept. 11
Sept. 25	Osborne, Kan.	Sept. 4
Sept. 28	Cape Girardeau, Mo.	Sept. 11
Sept. 29	California	Sept. 11
Sept. 30	North Carolina Adv. Sept. 11.	Sept. 11
Sept. 30	**Pennsylvania** Adv. Sept. 11.	**Sept. 11**
Oct. 7	Washington	Sept. 4

BUILDINGS—COMMERCIAL

Sept. 13	Baltimore, Md.	Sept. 11
Sept. 15	York, Pa.	Aug. 14
Sept. 15	Schenectady, N. Y.	Aug. 28
Sept. 15	Austin, Tex.	Sept. 4
Sept. 15	Thompsonville, Conn.	Sept. 11
Sept. 15	Phila., Pa.	Sept. 11
Sept. 15	Elizabethtown, Pa.	Sept. 11
Sept. 16	Shreveport, La.	Sept. 11
Sept. 16	Omaha, Nebr.	Sept. 4
Sept. 16	Phila., Pa.	Sept. 11
Sept. 16	Quidnick (Mail Anthony), R. I.	Sept. 11
Sept. 17	Raybrook, N. Y. Adv. Sept. 4 and 11.	Sept. 4
Sept. 17	San Antonio, Tex.	Sept. 4
Sept. 18	Medford, Mass.	Sept. 11
Sept. 18	Shreveport, La.	Sept. 11
Sept. 20	Windber, Pa.	Sept. 4
Sept. 20	Waco, Tex.	Sept. 11
Sept. 22	Johnstown, Pa.	Sept. 4
Sept. 22	Kewaskum, Wis.	Sept. 11
Sept. 23	Auburndale (Flushing P. O.), N. Y.	Sept. 11
Sept. 23	Des Moines, Ia.	Sept. 11
Sept. 25	Danielson, Conn.	Sept. 11
Sept. 25	St. Charles, Ill.	Sept. 11
Sept. 26	Raleigh, N C. Adv. Sept. 11.	Sept. 11
Sept. 30	Wilmont, Pa.	Sept. 11
Oct. 1	Groton, Conn.	Aug. 28
Oct. 4	Dallas, Tex.	Sept. 4
Oct. 11	Groton, Conn.	Aug. 7

Bids Close		See Eng. News-Record

FEDERAL GOVERNMENT WORK

Sept. 11	Water Pipe — Pittsburgh, Pa. Adv. Sept. 4 and 11.	Sept. 11
Sept. 12	Crane—Florence, Ala. Adv. Sept. 4 and 11.	Sept. 4
Sept. 15	Courthouse—Marietta, O.	Aug. 28
Sept. 15	Oil—Memphis, Tenn.	Sept. 4
Sept. 16	Dredging—Weymouth, Mass. Adv. Aug. 21 to Sept. 11.	Aug. 28
Sept. 16	Septic Tanks, etc.—Knoxville, Ia.	Aug. 28
Sept. 16	Pumping Plant—Wash., D. C.	Aug. 14
Sept. 16	Dredging—Boston, Mass.	Aug. 21
Sept. 16	Earthwork—St. Louis, Mo. Adv. Sept. 4 and 11.	Sept. 4
Sept. 16	Wiring—Washington, Pa.	Sept. 11
Sept. 16	Water Pipe—Pittsburgh, Pa.	Sept. 11
Sept. 17	Incinerator—Brooklyn, N. Y.	Sept. 11
Sept. 17	Incinerator — New York, N. Y. Adv. Sept. 4 and 11.	Sept. 4
Sept. 20	Dredging—Oakland Calif.	Sept. 11
Sept. 22	Dredging — New York N. Y.	Sept. 11
Sept. 22	Post Office—Allentown, Pa.	Sept. 11
Sept. 24	Caisson Gate — Norfolk, Va.	Sept. 11
Sept. 24	Towers—Vashon Island, Wash.	Aug. 28
Sept. 24	Building—San Diego, Calif.	Aug. 28
Sept. 25	Metal Works — Louisville, Ky. Adv. Aug. 28 to Sept. 11.	Aug. 28
Sept. 29	Turbines, etc.—Wash., D. C.	Aug. 28
Sept. 29	Post Office—North Vernon, Ind. Adv. Sept. 4 and 11.	Sept. 4
Sept. 30	Sand Filter—Rutland, Mass.	Sept. 11
Oct. 1	Water Discharge Loop—Pearl Harbor, H. T.	Aug. 14
Oct. 1	Widening Channel — Troy, N. Y.	Aug. 28
Oct. 1	Ward — Mare Island, Calif.	Sept. 11
Oct. 3	Dredging — Providence, R. I. Adv. Sept. 4 and 11.	Sept. 4
Oct. 6	Dredging — New York, N. Y.	Sept. 11
Oct. 6	Building — Steubenville, Pa. Adv. Sept. 11.	Sept. 11
Oct. 8	Building—Pittsburg, Tex.	Sept. 11
Oct. 15	Snag Boat—Montgomery, Ala. Adv. Sept. 4 and 11.	Sept. 4

UNCLASSIFIED

Sept. 15	Wharf—Grondines, Ont.	Sept. 11
Sept. 15	Wharf—Lotbiniere, Ont.	Sept. 11
Sept. 16	Retaining Wall and Boat Landing, etc.—Forest Park (Pierce City P. O.), Mo.	Aug. 28
Sept. 15	Wharf—Rimouski, Que.	Sept. 11
Sept. 16	Heating System—Owatonna, Minn.	Aug. 28
Sept. 16	Wharf—Sorel, Que.	Sept. 11
Sept. 17	Bleachers—Roxbury (Boston P. O.), Mass.	Sept. 11
Sept. 17	Car Barn and Machine Shop —San Francisco, Calif.	Sept. 11
Sept. 22	Conduit—Mamaroneck, N. Y. Adv. Sept. 11.	Sept. 11
Sept. 30	Breakwater—Corpus Christi, Tex.	Sept. 11

MATERIAL AND EQUIPMENT

Sept. 15	Wire—Detroit, Mich.	Sept. 11
Sept. 17	Grader—Appleton, Wis.	Sept. 11
Sept. 20	Pipe, etc.—Merced, Calif.	Sept. 11
Oct. 20	Insulators—Melbourne, Victoria, Australia	Aug. 14
Nov. 24	Cable, etc. — Melbourne, Australia Adv. Sept. 11.	Sept. 11
Dec. 1	Transformers, etc. — Melbourne, Australia Adv. Sept. 11.	Sept. 11

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., Durham—The Durham Aqueduct Co., plans pumping station and artesian well. To exceed $25,000.

Conn., Hartford—Plans extending mains in Arnold, Clifford and Stanwood Sts. $15,000. R. N. Clark, city engr.

Conn., Norwich—Plans raising heights of Stoney Brook Reservoir. $60,000. Chandler & Palmer, city engrs.

Conn., West Hartford (Hartford P. O.) —Town plans extending main in Court Park, Four Mile Rd., Hugh, St. Augustine and St. James Sts. $150,000. R. B. Clark, Town Hall, town engr.

Conn., Willimantic—Amer. Thread Co. plans razing Mill 3, and erecting water wheel plant. To exceed $25,000.

Pa., Morrisville — Boro making plans new storage reservoir and 2 electric pumps each 1 m.g. daily capacity. $48,000. T. B. Stockham, Stockham Bldg., engr.

N. C., Apex—Making plans new waterworks. $94,000.

N. C., Greensboro—Plans to triple pumping capacity of present plant, machinery to be installed to give 8 m.g. daily. $80,000. P. C. Pointer, city mgr.

N. C., Mt. Airy—Plans enlarging waterworks incl. new 200,000 gal. tank, 472,000 gal. concrete basin and 10 in. pipe line from city to water shed. Engineer not announced.

N. C., Scotland Neck—Plans waterworks improvements incl. deep wells, etc. $16,000. G. White, mayor. W. C. Olsen, Raleigh, engr.

N. C., Thomasville—Plans waterworks to replace present deep well system, water to be obtained from Abbotts Creek, 7 mi. from here. $257,000. Engineer not announced.

N. C., Warsaw—See "Sewers."

Fla., Milbourn—See "Sewers."

Wis., Bangor — Plans pumping station and mains. To exceed $15,000. E. A. Merlo, village clk. Engineer not selected.

Ia., Riverton — Plans waterworks $15,000. Engineer not announced.

Minn., Granite Falls—Election Sept. 18 $30,000 bonds constructing filter plant. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Mo., Higginsville—Election Sept. 9, $100,000 bonds waterworks, etc., also $19,000 bonds sewer improvements. E. T. Archer & Co., 612 New England Bldg., Kansas City, engrs.

Mo., Sedalia—City Water Co. plans centrifugal and pumping machinery, improvements and extension to plant. $300,000.

Tex., Crawford — Voted $25,000 bonds waterworks improvements. F. N. Broach, mayor.

Tex., Lufkin—Attorney General approved $125,000 bonds waterworks and sewer improvements.

Tex., Paducah — Making preliminary plans waterworks. $100,000 bond election soon. Gantt-Baker Co., Inc., 1116-18 Main St., Oklahoma City, Okla., engrs.

Tex., Rusk—Making plans waterworks improvements incl. earth dam, concrete spillway, filtration plant, wash tank, pumping plant and extending mains and laterals. $65,000. F. A. Jones, 430 Interurban Bldg., Dallas, engr.

Wash., Anacortes — Election Sept. 9. $150,000 bonds to provide funds construction of filtration plant, and improvements to city water system.

Wash., Seattle—Municipal Water Dept. plans extensions and improvements to water system, incl. 24 in. steel water main in Laurelhurst Dist., 20 in. main in West 83rd St., new main line to West Seattle, also 1 m.g. standpipe in vicinity of Woodland Park. $1,200,000.

Calif., Glendora—Los Angeles Co., Flood Control Dist., Los Angeles, making plans Big Dalton dam near Glendora, to be multiple arch concrete type, 140 ft. high with rein.-con. spillway. $500,000 or more. J. W. Reagan, Hall of Records, dist. engr.

Ont., Ford—See "Sewers."

Ont., Hamilton—Plans to install water meters in various sections. $100,000. W. L. McFaul, city engr.

Ont., Kapuskasing—Spruce Falls Pulp & Paper Co., making plans extending 4 and 6 in. c.i. mains, $25,000. Private plans.

Ont., King—See "Excavation, Drainage, Irrigation."

B. C., Cranbrook—Voted $8,000 for waterworks equipment.

B. C., Vancouver—Making plans mains over new bridge across Second Narrows $500,000. C. Brackenridge, city engr.

BIDS DESIRED

N. Y., New York—Sept. 16, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Chittenden Ave., West 146th St. and Dongan Pl.

Pa., Phila.—Sept. 16, by Bureau Water, 216 City Hall, roof Belmont prefilter plant, Contr. 619; miscellaneous piping material at Shawmont and Lardners Point Pumping Stations, Contr. 720; Administration Build-

Waterworks (Continued)

ing improvement for Belmont Filters, Contr. 721; plumbing at Belmont Filters, Contr. 722; electric wiring and lighting fixtures at Administration Building, Belmont Filters, Contr. 723.

N. C., Davidson — Sept. 22, by C. H. Hamilton, mayor and Bd. Aldermen, raw water pumping station and 4 mi. c.i. pipe line. W. H. Booker, Charlotte, engr.

N. C., Thomasville—Oct. 1, by city, Raw Water Pumping Sta. on Abbotts Creek, etc. W. C. Olsen, Raleigh, engr.; adv. E. N.-R. Sept. 11.

La., Berwick—Sept. 16, by S. Watkins, mayor, and Bd. Aldermen, improving waterworks and electric light system, two 100 hp. oil engine generator sets, 1 motor driven pumping equipment, 27,000 ft. c.i. pipe, one 50,000 gal. elevated steel tank and tower, power and pumping service station, etc. H. Mentz, Magnolia, Miss., consult. engr.

La., Jena — Mayor and Bd. Aldermen, soon take bids waterworks. $26,000.

O., Cleveland — Sept. 17, by Cuyahoga Co., 5,800 ft. 12 in. c.i. mains in Mastick Rd., Impvt. 750. To exceed $25,000. R. F. MacDowell, Court House, engr.

O., Garfield Heights (Cleveland P. O.)—See "Sewers."

O., Oak Harbor — Sept. 30, by Bd. Trustees, Pub. Affairs, addition to Pump House, revision of plans of surface reservoir to provide aeration and installing a motor driven centrifugal pump with an alternate drive from an internal combustion engine. W. J. Sherman Co., Toledo, engrs.

O., Warren—Sept. 25, by H. H. Hampton, dir. Pub. Serv. improving west side feeder main, and pumping equipment, etc. R. S. Watters, clk.; adv. E. N.-R. Sept. 11.

Wis., Watertown—Sept. 15, by Waterworks Comn., F. Schmutzler, secy., air lift pump and piping for well No. 2. A. Kraeft, City Hall, engr.

Ia., Tama—Sept. 24, by D. A. Murdough, city clk., water mains extensions and one 200,000 gal. tank. $30,000. C. L. Pillsbury Co., 1200-2nd. Ave. S. Minneapolis, Minn. Noted July 17.

N. D., Carrington—Sept. 26, by C. C. Carnahan, city clk., open well 25 ft. diam., 30 to 40 ft. deep, or drilling 8 in. tubular wells inside present open well about 72 ft. below top of present curb. $15,000 bonds voted. Former bids rejected. I. P. Wolff, 903 Globe Bldg., St. Paul, Minn., engr. Noted Aug. 14.

Tex., Ft. Worth — C. Snow, city secy., soon takes bids 9 mi. 48 in. concrete conduit from Lake Worth to city filter plant. $350,000 bonds to be voted this month. D. L. Lewis, city engr.

Okla., Seminole—Sept. 15, by E. Macgruder, city clk., new waterworks, well, pump, motor, 13,600 ft 2 to 8 in. c.i. mains tank valves, etc. $44,000. Gant-Baker Co., 116 West Main St., Oklahoma City, engrs.

Calif., Tracy—Sept. 17, by W. Schlossman, secy. Banta-Carbona Irrigation Dist., 7 centrifugal pumps, 20 cu.ft. per second capacity, 14 centrifugal pumps, 40 cu.ft. per second capacity, 21 motors, starters, relays, etc. W. D. Harrington, Tracy, resident engr.

BIDS RECEIVED

N. H., Berlin—Berlin Water Co., filtration plant, from Concrete Oil Tank Co., 10 High St., Boston, Mass. Engrs. est. to exceed $40,000. Noted Aug. 21.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Kenmore and McKay Places, Avenues P, Q and S, Flatlands, Louisiana 7th and 24th Aves., Essex, Ryder, 51st, 64th, 71st, 80th, 81st, East 27th, 98th, West 9th and 12th Sts., from Paladino Contg. Co., 437 East 120th St., New York, $8,676. Noted Aug. 28.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Hinman St. and Greene Ave., also Graham, Nelson, 11th, Hallett, Howland Aves., etc., from Norton & Rigney, 510 West 148th St., New York, $16,489 and $17,469 respectively; mains in Calamus, Waters, Clinton, Fillmore Aves., etc., from Stanley Constr. Co., Steinway Ave., $24,574. Noted Aug. 28.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Hicks Pl., 63rd Dr., Nelson, Fisk, Meyers and Polk Aves., Carolin, Alexis and Pope Sts., etc., from J. A. Gregory, 351 East 124th St., New York. $16,937.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Astoria, 37th and 42nd Sts., from Kennedy & Smith, 93 Amity St., Flushing, $12,200; in Anable, Carolin and Packard Sts., also Polk, Roman, 13th, 33rd and 114th Sts., from J. A. Gregory, 351 East 124th St., New York, $5,987 and $3,543 respectively. Noted Aug. 29.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal mains in Amundson, Adee, Arnow and Bissel Sts., etc., from C. De Blasio, 339 7th Ave., Mt. Vernon, $24,490. Noted Aug. 28.

N. J., Morris Plains—See "Buildings-Commercial."

CONTRACTS AWARDED

Mass., Boston—Supply Dept., City Hall, 750 concrete meter boxes for Water Div., Dept. Pub. Wks., to J. A. Singarella, 110 High St., $10.73 each. Noted Aug. 14.

Mass., Medford—A. A. Lucey, city purch. agt., Medford Bldg., 1,000 ft. 8 in. coated c.i. water pipe for Water and Sewer Dept., to U. S. Cast Iron Fdry. Co., 1412 Chestnut St., Phila. Pa. $60.10 per ton.

R. I., Providence — Cast iron pipe for Dept. Pub. Wks., to Warren Fdry. & Machine Co., 201 Devonshire St., Boston, Mass., $56.49.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 15th Ave., here, to Kennedy & Smith, 93 Amity St., Flushing, $8,175; in Marlowe Ave. and Fulton St., here, to Grippo Contg. Co., 83 Webster Ave., $3,120 and $10,685 respectively.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Armstrong, Buchanan, Burke and Carlton Aves., etc., to N. Peduto, 342 East 113th St., New York, $22,500. Noted Aug. 21.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, Contr. 694 and Contr. 716, to M. and J. B. McHugh, 892 North Markoe St., $157,838 and $96,965 respectively; Contr. 714, to Acme Machine Co., 316 North 17th St., $2,593; Contr. 715, to Specialty Eng. Co., Alleghany and Trenton Aves., $1,098.

O., Cleveland—For c.i. mains in various streets, to W. Burkhardt Constr. Co., 3095 West 20th St., $2,609, to E. Cesa, 2462 Baldwin Rd., $19,050, to F. Phillips Co., Engineers Bldg., $11,694.

O., Columbus—W. H. Duffy, dir. Pub. Serv. 42-in. pipe to extend from pumping station along west side of Alentangy River to Fifth Ave., thence into North Side to supply water to extreme portions of this section, to G. Boulter Co., Columbus $85,428.

Ill., Kewanee—For 16,400 ft. 4 to 6 in. c.i. main extensions, 39 hydrants, 58 tees, 14 crosses, sixty-two 6 in. and thirty-four 4 in. valves and boxes, etc., to E. L. Royer Constr. Co., 442 Insurance Exch., Des Moines, Ia. $27,552. Noted Aug. 7.

Ill., Rochelle—Two compartment settling tank, sprinkling filter, dozing apparatus and pumps, etc., to Hansen & Healy, 360 North Michigan St., Chicago, $32,314. Engrs. est. $35,000.

Wis., Eau Claire—O. E. Olen, city clk., 3 m.g. rein.-con. reservoir, 13,000 cu.yd. excav., 2,050 cu.yd. concrete, 110 tons reinforcing, to A. Larson & Co., 418½ South Barstow St., $56,200. Noted Aug. 21.

Minn., Pelican Rapids—J. R. Quamme, recorder, waterworks distribution system, to Camden Constr. Co., Benson, $21,017; pump house, $2,127; well, $2,200; tank and tower to Minneapolis Steel & Mchy. Co., 2854 Minnehaha Ave., Minneapolis. Noted Aug. 14.

Mo., Burlington Junction—See "Sewers."

Tex., Beaumont—For 4 m.g. filtration plant, to Thompson & Price, Kansas City, Mo., $132,000. Noted Aug. 7.

Tex., Sinton—See "Sewers."

Wash., Kelso — City Council improving waterworks incl. 2 m.g. reservoir, 5 mi. 4- to 16-in. mains, to J. D. Hanley, Kelso, $122,715.

Calif., San Francisco—Bd. Pub. Wks., submarine pipe line in 408 lin.ft. Newark Slough, and in 2,772 lin.ft. Dumbarton Strait, in Bay Crossing of Hetch Hetchy Aqueduct, to Healy-Tibbitts Constr. Co., 64 Pine St., San Francisco, $343,230. Noted July 31.

Que., Three Rivers—Furnishing 3,500 ft. 24 in., 3,600 ft. 20 in. and 1,700 ft. 18 in. c.i. pipe, to Canada Iron Corp., St. Maurice St., $63,000.

Ont., Toronto—See "Streets & Roads."

Ont., Windsor—Furnishing c.i. mains 6 in. up, to Natl. Iron Corp. Ltd., foot of Cherry St., Toronto; hydrants, to Canada Valve & Hydrant Co., Dalhousie St., Brantford; valves, to Drummond McCall Co. Ltd., 373 Front St. E., Toronto; meters to General Supply Co., 38 Toronto St., Toronto, to Neptune Meter Co., 1195 King St. W., Toronto, and to Worthington Pump & Mchy. Co., 839 Majestic Bldg., Detroit, Mich. Engrs. est. $50,000.

Sewers

PROPOSED WORK

R. I., Pawtucket—Plans sewers in Calder, Bucklin, Weedin, Taft, Bentley and North Union Sts., Central, Grand and Suffolk Aves. $25,000. Address City Engineer.

Conn., Waterbury—Plans storm sewers in Farmington Ave. $25,000.

Pa., Juniata—See "Streets and Roads."

Pa., New Castle—Plans sewage disposal plant. $300,000. M. R. Miller, city engr.

N. J., Little Falls—Twp. Bd. takes bids about Oct. 15, extending sewers and constructing sewage pumping station. H. J. Harder, 129 Market St., Trenton, engr.

N. C., Warsaw—Making plans improving sewers and waterworks, incl. laying mains. $25,000. J. F. Waters, Warsaw, clk.

Fla., Melbourn — City Council plans sewerage system, septic tanks and mains, etc., in Dist. 1, $25,436, Dist. 2, $57,113, Dist. 3, $34,317. J. Masch, city clk.

Mo., Higginsville—See "Waterworks."

Tex., Dallas—Making preliminary plans 12th St. storm sewer in Oak Cliff. $50,000. E. A. Kingsley, City Hall, engr.

Tex., Lufkin—See "Waterworks."

Tex., San Antonio—Takes bids about Sept. 20, pipe for storm sewers in South Medina and ePach Sts. I. Ewig, city engr.

Calif., Los Angeles—Plans election approximately $500,000 bonds constructing inter-city sewerage system, embracing cities of Redonda Beach, Hermosa and Manhattan and portion of Los Angeles Co., for South Bay Cities Sanitation Dist.

Que. La Tuque—Takes bids in September 3,000 ft. clay sewers in various streets. $26,460. N. Langelier, city engr.

Ont., Ford—Making plans sewers in Riverside Dr. and water mains in Glidden and Fairview Aves. $30,000. C. J. McHugh, city engr.

BIDS DESIRED

R. I., Woonsocket—Taking bids $3,300 ft. 8 in. concrete sewers in various streets. $25,000. Address City Engineer.

N. Y., New York—Sept. 16, by H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., sewers in White Plains Rd., Pelham Parkway, Thierot and Astor Aves.

N. Y., Ogdensburg—Sept. 15, by Bd. Pub. Wks., 2,700 ft. 24 in. sewer in Monroe Ave., Covington and Pearl Sts. D. J. Crichton, city clk.; adv. E. N.-R. Sept. 11.

Pa., Elizabethtown—Sept. 30, by Boro Council, sanitary sewers. Fuller & McClintock, 170 Bway., New York City, or 1001 Chestnut St., Phila., engrs.; adv. E. N.-R. Sept. 11.

Md., Baltimore — Sept. 17, by Bd. of Awards, drains, etc., near Baker and Dukeland Sts., Storm Water Contr. 73; also in California Blvd., Brightwood, Hamilton, Latonia and Gibbons Aves., Storm Water Contr. 76. B. L. Crozier, City Hall, highways engr.

Ala., Birmingham—Sept. 23, by A. J. Hawkins, city engr., concrete storm sewer in 14 blocks 41st or Spring St., Avondale. $198,000. Noted Sept. 4.

O., Garfield Heights (Cleveland P. O.)—Sept. 12, sewers and watermains in Tonsing Dr. and East 113th St. To exceed $25,000. R. Munz, Town Hall, engr.

O., Lyndhurst (Cleveland Heights, P. O.)—Taking bids sewers, in Eastover and Sunview Rds. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Minn., Hawley—Sept. 22, by J. E. Johnson, city clk., 8, 10, and 12 in. vitr. tile sewers, manholes, etc., in various streets. $25,000, Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs. Noted Aug. 7.

Ont., Port Elgin—Gore, Nasmith & Storrie, engrs., Confederation Life Bldg., Toronto, taking bids concrete sewage disposal works, rein.-con. Imhoff or activated sludge, vitr. tile sewers, for Village. $25,000, $40,000.

BIDS RECEIVED

Mass., West Roxbury (Boston P. O.)—Dept. Pub. Wks. Sewer Div., Boston, sewerage works in Stony Brook, Sect. 10A, from W. Barrett & Co., 27 Hunneman St., Roxbury, $126,156. Noted Aug. 28.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, sewers in Brooklyn Ave., from A. Ilanti, 26 West Union St., West New Brighton, 85% engrs. est. ($2,590); in Nostrand Ave., from J. Gallo, 203 Division St., 129% engrs. est. ($1,605); in 68th St., from Nazzarro & Querriero, Inc., West 9th St., 80% engrs. est. ($4,515); in Clarkson Ave., from C. F. Vacharas, 645 40th St., 81.7% engrs. est. ($450). Noted Aug. 28.

Sewers (Continued)

Ill., Elgin—Pease & Hansen, engrs., 10 North Michigan St., Chicago, 9,000 ft. intercepting sewers, and 5,000 ft. connections etc., Contr. 1, for Sanitary Dist. of Elgin, from C. E. Giertz & Son, Elgin, $476,932; also sewage treatment building, Contr. 2, from W. J. Newman Co., 21 North Curtis St., Chicago, $435,210. Noted Aug. 7.

Tex., Houston—Storm sewer in Washington Ave., from F. C. Youmans, 1107 Prospect Ave., $52,522. Engrs. est. $55,000.

Calif., Santa Barbara—For 3,800 lin.ft. 42 in. outfall sewer, from J. H. Tillman Co., Ry. Exch. Bldg., Portland, Ore., $183,800; furnishing above pipe, from United Concrete Pipe Co Ventura, Calif., $44,200. Noted Aug. 28.

CONTRACTS AWARDED

Conn., Torrington — Sewers in various streets, to Ossola & Besozzi, 170 Pythian St. Engrs. est. $25,000.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Grand Ave., to A. Paino, 2016 East 14th St., Brooklyn, $242,009. Noted Aug. 21.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, sewers in Elm St., to J. Fiorini & V. Stiotta, 138 St. Paul Ave., Tompkinsville, $4,843; Roosevelt Ave., to J. Massa, 141 Richmond St., West New Brighton, $7,185; Jackson Ave., to G. Orricco, 500 Britton Ave., Concord, $2,422. Noted Aug. 28.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sanitary sewer in Hopping Ave., to J. Fiorini and V. Stiotta, 138 St. Pauls Ave., Tompkinsville, $7,486. Noted Aug. 21.

Pa., Phila. — Dept. Pub. Wks., Bureau Surveys, open storm water channels 40th Ward Lowland Drainage, to A. Jafalla, 139 South 50th St., $425,651; underground structure in Wheatsheaf Lane, to G. F. Dobbins, 1020 South 47th St., $23,800; transformer building, North East Sewage Disposal, Contr. 1, to Couneen Constr. Co., 2313 Walnut St., $20,613, Contr. 2, to W. V. Pangbourne Co., 1927 West Montgomery St., $46,774, Contr. 3, to Bulman Bros., 2501 North 5th St., $1,444, Contr. 4, to C. J. McCarthy, 1718 Jansom St., $1,868.

Pa., Phila.—To Pascuzzi, 601 Lincoln Bldg., sewers in Bingham and Wakling Sts. $400,892, 10th St. $172,319; to Lombardi Co., 601 Lincoln Bldg., 76th St. $39,380, 57th St. $16,990, 20th and Johnston Sts. $43,403; to F. T. Buckins, Jr., 4050 Kensington Ave., Frankford Ave. $18,000, Buckins St. $1,500, Castor Ave. $135,000; to J. J. McHugh, 1617 Race St., Cleveland, Smedley and Carlisle Sts. $21,655, 43rd St. $296,512; to Vattieri & Pontarelli, 523 Rising Sun Ave., Amber St. $12,220, C. St. $42,903, Champlost Ave. $42,673, Emlin St. $12,360, K St. $25,578, Louden St. $1,988, Tulip St. $5,504, 13th St. $4,406, 32nd St. $7,378; to J. Moss, 1652 Wakeling St., Bristol St. $23,473; to Higgins & Reilly, 601 Real Estate Trust Bldg., Chester St. $20,330, Cobbs Creek Parkway $51,174, 59th St. $16,771, Georges Lane $11,625, Jacob St. $5,982, Lebanon St. $16,371, Malvern St. $20,032, Morse St. $6,405, Peach St. $13,515; to W. H. Yetman, Jr., 601 Lincoln Bldg., Fairhill and Winghocking Sts. $3,698, Louden St. $1,988, 16th St. $9,402; to V. J. Perna, 752 South 10th St., Hanson St. $3,296 Miller St. $7,926, Sansom St. $3,534; E. F. Bemis, 641 Chelten Ave., McMahon St. $8,820, Musgrove St. $19,950; to M. G. McCrudder, Real Estate Trust Bldg., Milne St. $9,633; to A. Jafalla, 139 South 50th St., 66th St. $4,483. Noted July 24.

Md., Baltimore—Mayor and City Council, sewers and drains in Dist. 5-B, Storm Water Contr. 75, to Aiello Contg. Co., Gough and 4th Sts., $26,623; also, in certain streets in Sewer Dist. H-6, Storm Water Contr. 67, to Adams & Marino, 216 St. Paul St., $111,675. Noted Aug. 21.

La., Shreveport—Constructing 16 in. main to Jewella, to E. J. Merkle Contg. Co., 1733 Walnut St., Kansas City, Mo., $93,905.

O., Akron—W. F. Peters, dir. Pub. Serv., 2,900 ft. segmental block sewer in Mull Ave., and Little Cuyahoga Interceptor, 240 ft. 57 in. brick pipe, to W. P. Gibbons Constr. Co., Marne Hotel, $76,540 and $31,180 respectively. Noted Sept. 4.

O., Garfield Heights (Cleveland P. O.)—Sewers in 2 streets, to D. Rossi-Marcelletti Co., 13701 Benwood Ave., Cleveland, $34,910.

Ill., Kewanee—See "Streets and Roads."

Wis., Barron — M. H. McKee, city clk., 30,430 lin.ft .sanitary sewers, manholes, outfall sewer and sewage treatment plant, etc., to Weaver & Richardson, Anoka, Minn., $52,411. Noted Aug. 14.

Mo., Burlington Junction—For 16,120 ft. 8 in. 5,708 ft. 10 in., and 5,640 ft. 12 in. vitr. sewer, 32 ft. 12 in. c.i. pipe, 7 flush tanks, etc., also 96 ft. 8 in., 3,424 ft. 6 in. and 8,860 ft. 2 in. wrought pipe, 11,263 lbs. specials, one hundred thirty 2 in. cross plugs, 31 hydrants, 32 gate valves, 50,000 gal. tank on tower, etc., to Aspland & Howard, Tecumseh, Neb., $63,633.

Tex., San Antonio—Will lay storm sewers in South Medina, 12 blocks Peach Sts., by day labor $28,982 and $86,225 respectively. I. Ewig, city engr.

Tex., Sinton—Complete sewerage system, disposal plant, and extending water mains and laterals, to Kirkwood & Wharton, 231 East Commerce St., San Antonio, $32,000. Engrs. est. $35,000. Noted Aug. 21.

Calif., Los Angeles — See "Streets and Roads."

Calif., Pasadena — See "Streets and Roads."

Calif., San Diego—Common Council constructing sewerage system in Mission Beach, 27,945 lin.ft. 6 in., 5,470 lin.ft. 10 in., 6,781 lin.ft. 12 in. concrete pipe, etc., to Doran & Boyd, 345 Spreckles Bldg., $224,000. Noted July 24.

Calif., South San Francisco — City Trustees, 24 x 36 in. monolithic concrete sewer, etc., in Butler St. and San Bruno Ave., to Eaton & Smith, 715 Ocean Ave., San Francisco, $31,085. Noted Aug. 7.

Calif., Whittier—City Trustees, sewage disposal plant, to H. M. Hanawakt, La Verne, $43,025. Noted July 31.

Waste Disposal

PROPOSED WORK

Que., Longueuil — Plans incinerator. $100,000.

BIDS RECEIVED

Mass., Lawrence—City, incinerator plant, rear of City Home, Merrimack River, from Palmer Corp., 154 Nassau St., New York City, $74,700. Noted Aug. 28.

Bridges

PROPOSED WORK

N. Y., Ft. Edwards—Town Bd. having plans prepared 3 span girder bridge across Moses Kill Creek, on Thompson-Ft. Edwards Highway, $35,000. Concrete-Steel Eng. Co., Park Row Bldg., New York City, consult. engrs.

Fla., Clearwater—Pinellas Co., plan election Sept. 16, to vote $439,000 for 900 ft., bridge with fills, bulkheads, concrete piling, and vitr. brick paving 24 ft., from Cleveland St., to island west of said street. J. N. Brown, co. clk.

Mich., Detroit—Wayne Co. Rd. Comn., Real Estate Exch. Bldg., making preliminary plans 125 ft. clear span bascule bridge over River Rouge at Dix Ave. $1,000,000. H. A. Shuptrine, co. engr.

Neb., Columbus—Platte Co. making preliminary plans 1,100 ft. steel bridge, 18 ft. concrete flooring, over Loup River, also removing old 1,000 ft. span bridge to Duncan. $65,000.

Tex., Brady—See "Streets and Roads."

Tex., Cameron—See "Streets and Roads."

Tex., Canadian — See "Streets and Roads."

Tex., Memphis—Hall Co. making plans bridge over Red River. $200,000. C. L. Hasle, Sumpter Bldg., Dallas, engr.

Wash., Walla Walla—Walla Walla Co. plans reconstructing and repairing bridges. $113,000. L. O. Kennedy, co. engr.

Que., Verdun — Plans steel bridge over Canal at Verdun Ave. $175,000. C. Des Baillets, engr.

B. C., Nanaimo—Election soon $50,000 bonds 375 ft. rein.-con. bridge over ravine on Bastion St., $50,000. P. P. Brown, 410 London Bldg., Vancouver, engr.

B. C., Vancouver — Making preliminary plans high level concrete and steel bridge over False Creek at Burrard St. $1,000,000. C. Brackenridge, city engr.

BIDS DESIRED

Massachusetts—See "Streets and Roads."

N. Y., Port Jervis—Sept. 23, by R. W. Brandt, comr. Dept. Pub. Wks., Bureau Highways, Albany, new wood block pavement and repairs to Port Jervis-Matamoris Interstate Bridge over Delaware River; adv. E. N.-R. Sept. 11.

N. Y., Scarsdale—Sept. 22, by Bronx Parkway Comn., 72 West Pondfield Rd., Bronxville, constructing Bridges 27 A and 27 B, over Bronx River Parkway Dr. and Bronx River, Ardsley Rd., here. J. Downer, engr. and secy.; adv. E. N.-R. Sept. 11.

N. Y., Yonkers—Oct. 2, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, three 60 ft. span. rein.-con. bridges, to carry Saw Mill River Parkway Dr. over Palmer, Fortfield and Lockwood Aves., here. J. Downer, ch. engr.; adv. E. N.-R. Sept. 11.

Pa., Phila.—Sept. 17, by Delaware River Bridge Joint Comn., 806 Widener Bldg., approach between 4th and 5th Sts. and street changes for bridge over Delaware River. G. Pinchot, chn.; adv. E. N.-R. Sept. 4 and 11.

S. C., St. George — See "Streets and Roads."

Ohio—Sept. 12, by Dept. Highways and Pub. Wks., Columbus, bridge and approaches on 0.284 mi. Sect. "D-Bridge" Portsmouth-Columbus Rd., Pike Co., $12,963; concrete bridge on Sect. "E" Urbana-Bellefontaine Rd., $16,712; bridges on Piqua-Urbana Rd., standard slab bridge on Sect. "B" $747, standard vitr. pipe culvert, standard slab top culvert, extending culverts and concrete bridge, etc., on Sect. "G," $27,848; standard concrete box culvert and beam bridge on Sect. "C" Urbana-Troy Rd., $7,204, all foregoing Champaign Co.; bridge on Sect. "Huron Bridge" Cleveland-Sandusky Rd., Erie Co., $4,941; bridges on Sect. "N" Pomeroy-McArthur Rd., Meigs Co., $6,586. A. V. Donaheys, dir. highways.

Ohio—See "Streets and Roads."

Ia., Newton—Sept. 16, by Jasper Co., 3 span, 20 x 90 ft. pony truss bridge, 283,900 lbs. steel, etc. R. McMurray, Newton, engr.

Minnesota—Sept. 19, by State Hy. Dept. St. Paul, Bridge 4308, 140 ft. long, concrete, south of Mankato, State Project 39-22, Sect. 1, $14,000; Bridge 4320, 280 ft. long concrete, near Zumbro Falls, State Project 59-21, $25,000. State Highway Dept., 1246 University Ave., St. Paul, engr.

Montana—See "Streets and Roads."

Tex., Rockdale—See "Streets and Roads."

BIDS RECEIVED

Pennsylvania—See "Streets and Roads."

South Dakota—See "Streets and Roads."

South Dakota — State Highway Comn., Pierre, **(F. A. P. means Federal Aid Project)**, several viaducts on F. A. P. 182A, Buffalo and Jerauld Counties, 50,034 lb. reinforcing, 125,099 lb. structural steel, 2,580 cu.yd. common excav., etc., from M. A. Stump, Mobridge, $24,060; viaducts on F. A. P. 170E, Turner and Minnehaha Counties, 31,164 lb. reinforcing, 105,745 lb. structural steel, 235 cu.yd. excav., etc., from Federal Bridge Co., B. T. Bldg., Des Moines, Ia., $15,648; one concrete box culvert on F. A. P. 187A, Gregory Co., 25,000 lb. reinforcing, 150 cu.yd. excav., etc., from Willis Bonesteel, Burke, $7,495. Noted Aug. 21.

Tex., Austin—See "Streets and Roads."

Tex., Jasper—See "Streets and Roads."

Tex., Leakey—See "Streets and Roads."

Colo., Denver—For 63 x 122 ft. rein.-con. bridge at 11th Ave. and Cherry Creek, from Knollman & Crandell, 660 Corona St., $29,297. Engrs. est. $35,000.

California—State Highway Comn., Sacramento, Aug. 25, 7 combination wood and concrete trestles, 990 ft. together with weir or ford 600 ft. trestled over Pit River and Pit River overflow, Lassen Co., from Horn. Hart & Savage, Red Bluff, $50,067. Noted Aug. 14.

CONTRACTS AWARDED

Pa., Phila.—Director Pub. Wks., Room 216, City Hall, 60 x 82 ft. steel encased in concrete span, plain concrete abutments on line of 2nd St., over connecting railway, to Brown King Constr. Co., Commercial Trust Bldg., $99,820.

Pa., Williamsport—Comrs. Lycoming Co. reinforced steel and concrete bridge over Mill Creek at Glen Mawr, to O'Dell Bros., Williamsport, $20,475; repairs to Maynard Street Bridge incl. coffer dam and repairing one pier, to Sander & Rein, Williamsport, $7,130.

North Carolina — State Hy. Dept. Raleigh, **(S. P. means State Project)** rein-con. bridges and culverts on S. P. 900, Buncombe Co., to J. M. Gregory & Co., Pittsboro, $51,437; S. P. 433, Granville Co., to E. A. Wood & Co., Andrews

Bridges (Continued)

$42,117; S. P. 265, Pamlico Co., to R. W. Curtis & Bethlehem Fabrication, Inc., Lynchburg, Va., $58,706. Noted July 17.

Alabama—State Hy. Comn., Montgomery, several steel bridges concrete foundations on Sect. A, Livingston Rd., Sumter Co., to Nixon & Phillips, Lineville, $34,706. Engrs. est. $35,000.

Alabama—See "Streets and Roads."

La., North Baton Rouge (Baton Rouge P. O.)—Illinois Central R.R., 135 East 11th Pl., Chicago, rein.-con. and steel viaduct here, to J. E. Nelson & Sons, 3240 South Michigan Ave., Chicago, Ill. Engrs. est. $75,000.

O. Rocky River—New York, Chicago & St. Louis R.R., J. Bernet, pres., Columbia Bldg., Cleveland, concrete substructure for bridge over Blount Rd., here, to Ferro Constr. Co., 37 West Van Buren St., Chicago, Ill.; steel superstructure, to McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa. Engrs. est. $262,000. Noted Mar. 27.

Okla., Oklahoma City—For three 100 ft. span rein.-con. bridge, at 39th St., also grading, paving, curbing, etc., Ashton St., to General Const. Co., Oklahoma City. Engrs. est. $90,000.

Missouri — State Hy. Dept., Jefferson City, to J. A. Carlson, Florence, Nebr., 18 ft. rein.-con. spans, etc., over overflow of Salt River, $9,454, one 35 ft. rein.-con. deck girder span, etc., over Stinking Creek, $6,560, one 30 ft. rein.-con. deck girder span, etc., over San Branch, $6,984, one 25 ft. rein.-con. deck girder, etc., over Duck Creek, $6,844, one 80 ft. steel truss span, etc., over East Fork Chariton River, $21,213, one 45 ft., rein.-con. deck girder span, six 20 ft. rein.-con. slab spans, etc., over Salt River, $14,602, one 35 ft. concrete deck girder span, over Brush Creek, $10,548, all Macon Co.; to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, one 80 ft. steel truss span, and two 20 ft. rein.-con. slab spans, etc., over Mussel Fork, $13,934, ten 20 ft. rein.-con. slab spans, etc., over overflow of Mussel Fork, $14,638, one 100 ft. steel truss, and two 30 ft. I-beam spans, etc., over Chariton River Drainage Ditch, $18,795, one 80 ft. steel truss and three 25 ft. I-beam spans, etc., over west fork of Chariton River, $15,795, one 45 ft. rein.-con. deck girder and six 18 ft. rein.-con. slab spans, etc., over Brush Creek, $13,729, all Macon Co.; to Wilson Constr. Co., Warrensburg, one 100 ft. steel truss span over Gladden Creek, Dent Co., $12,503, one 80 ft. steel truss span, etc., over Durgens Creek, Lewis Co., $15,257; to F. Kersting Co., Jefferson City, two 10 ft. rein.-con. slab spans, etc., over Boone Creek, Crawford Co., $4,745, four 40 ft., rein.-con. deck girder spans, etc., over Youngs Creek, Audrain Co., $14,620; to C. P. O'Reilly & Son, Wainwright Bldg., St. Louis, one 25 ft. rein.-con. deck girder span, etc., over stream, $6,566, one 35 ft. rein.-con. deck girder span, etc., over Mussel Creek, $5,827, both Macon Co.; to C. T. Fogle Constr. Co., Jefferson City, three 25 ft. I-beam spans, etc., over Davis Creek (Old Channel), $4,864, one 60 ft. steel truss span, etc., over Davis Creek (New Channel), $4,864, one 40 ft. rein.-con. deck girder span, etc., over Black Jack Creek, $14,812, all Lafayette Co.; to A. Hood, Independence, two 12 ft. rein.-con. slab spans, etc., over creek, Andrew Co., $4,781, three 30 ft. rein.-con. deck girder spans, etc., over overflow of 102 River, $9,955, both Andrew Co.; to Kansas City Structural Steel Co., 21st St. and Metropolitan Ave., Kansas City, one 120 ft., one 200 ft. and eleven 80 ft. steel truss spans, etc., over Current River, Carter Co., $114,553; to St. Louis Constr. Co., Frisco Bldg., St. Louis, three 40 ft. concrete deck girder spans, etc., over Heads Creek, $12,685; to Montague Constr. Co., Carbondale, Ill., one 30 ft. rein.-con. deck girder span, etc., over Riley Creek, Jefferson Co., $5,014; to B. Layton, Kirksville, one 40 ft. rein.-con. deck girder span, etc., Adair Co., $6,431; to O. H. Schmidt, St. Joseph, three 25 ft. rein.-con. deck girder spans, etc., over Malden Creek, Buchanan Co., $33,674; to E. C. Johnson, Carrollton, constructing rock asphalt floor on bridge over Missouri River, Cooper and Howard Counties, $5,293.

Tex., Alice—See "Streets and Roads."

Tex., Ft. Worth — Tarrant Co., 445 ft. structural steel bridge, one 80 ft. low riveted steel truss and eleven 33 ft. concrete girders, across Clear Fork of Trinity River, to Womack Constr. Co., Sherman, $28,377. Engrs. est. $30,000. Noted July 31.

Que., Brazeau — Constructing 2 span bridge, to E. Provost, Actonvale, $32,500. Engrs. est. $40,000.

Que., Herbertville — Dept. Pub. Wks., Quebec, 2 span, 286 ft. concrete bridge, here, to C. Gagnon, St. Joseph D'Alma, $44,129. Engrs. est. $50,000.

Dams

PROPOSED WORK

Tex., Crystal City—Zavalla Co. (Batesville), having preliminary plans prepared earth and rein.-con. dam across Nueces River near here, incl. irrigation ditches, to irrigate from 7,000 to 10,000 acres. $200,000. Terrell Bartlett, 612 Calcasieu Bldg., San Antonio, engrs.

Tex., Rusk—See "Waterworks."

Tex., San Antonio — Making plans earthen and rein.-con. retention dam, 52 ft. high, with causeway across top, across Olmos Creek in Alamo Heights, north of here. $1,500,000. C. F. Crecelius, 201 Torcido Dr., engr.

Que., Ulverton—See "Unclassified."

CONTRACTS AWARDED

Pa., Williamsport—See "Bridges."

La., Shreveport—Constructing dam and rip rap across lake, to Kaucher-Hodges Co., Exch. Bldg., Memphis, Tenn., $226,781.

Railways

PROPOSED WORK

North Carolina—North Carolina & Virginia R.R. Co., Mt. Airy, has been granted charter to construct line from Mt. Airy to point 5 mi. from here on Ararat River. $25,000.

CONTRACTS AWARDED

Mississippi—Illinois Central R.R., 208 South La Salle St., Chicago, grading 1 mi. double track railroad from Corinth to Ruslor, to G. W. Turner & Co., Memphis, Tenn. $40,000.

Oklahoma—Chicago, Rock Island & Pacific Ry. Co., La Salle St. Sta., Chicago, Ill., will extend railroad 20 mi. from Owens to Ponca City, by day labor. Plans to issue $750,000 bonds for same. C. A. Morse, ch. engr.

Ontario — York Twp., Toronto, general contract double tracking street railway on Weston Rd., Oakwood and Rogers Aves., Toronto to J. Simpson, 227 Wychwood Ave., Toronto. Engrs. est. $1,000,000.

Excavation, Drainage, Irrigation

PROPOSED WORK

Tex., Crystal City—See "Dam."

Tex., Dallas — Dallas Base Ball Club, Sumpter Bldg., making plans levee around ball park in Oak Cliff. $25,000.

Ont., King—King and West Gwillimbury (Gilford) Twps., making plans draining 7,500 acres swamp land, incl. pumphouse, pumps, boiler, engine, pile work and dam, etc. $135,000. A. Baird, Sarnia, engr.

BIDS DESIRED

N. C. Raleigh—See "Buildings—Commercial."

Que., St. Antoine de Tilly — Dept. Pub. Wks., Ottawa, Ont., taking bids dredging channel to wharf, 22,730 cu.yd. floating dredgework. $27,000. K. M. Cameron, Ottawa, Ont., ch. engr.

Que., St. Jean des Chaillons—Dept. Pub. Wks., Ottawa, Ont., taking bids dredging 35,437 cu.yd. clay and big boulders. $30,000. K. M. Cameron, Ottawa, Ont., ch. engr.

CONTRACTS AWARDED

N. Y., New York—M. Cosgrove, comr. Docks, Pier A, foot Battery Pl., Bronx Boro, dredging 200,000 cu.yd. at Rikers Island, Bronx Boro., Contr. 1834, to Morris & Cummings Dredging Co., 17 State St., $0.24 per cu.yd., total $48,000. Noted Aug. 28.

Calif., Oakdale—Oakdale Irrigation Dist. will construct 3 mi. drainage ditch by day labor. Former bids rejected. R. E. Hartley, dist. engr. Noted Aug. 14.

Ont., Toronto—Dept. Pub. Wks., dredging eastern entrance to Toronto Harbor, to J. E. Russell Constr. Co., Reford Bldg. Engrs. est. $50,000.

B. C., Vancouver—Harbor Comrs., 525 Seymour St., dredging for west inner berth of No. 1 grain jetty, 125,000 cu.yd. rock excav., to Northwestern Dredging Co., Standard Bank Bldg., $400,000.

Streets and Roads

PROPOSED WORK

Maine — State Highway Comn., State House, Augusta, plans highway from Waterville to Belfast. To exceed $25,000. P. D. Sargent, ch. engr.

New Hampshire—State Highway Comn., Concord, taking bids graveling 1.64 mi. road in Durham, 0.64 mi. in New Durham, 0.45 mi. in Newbury, 0.85 mi. in Ossipee-Tamworth. To exceed $25,000. F. E. Everett, comr.

N. J., Maple Shade—Chester Twp. Com. plans improving 12 streets. $105,000. Engineer not selected.

Pa., Juniata—Election Nov. 4, $100,000 bonds paving and sewer work. D. W. Dillman, Altoona Trust Bldg., Altoona, boro engr.

North Carolina—State Hy. Comn., Raleigh, **(S. P. means State Project)**, making plans and soon takes bids grading and topsoiling 9.67 mi. S. P. 285, Wayne Co., $65,000, 14.3 mi. S. P. 284, Wayne Co., $100,000, 14.1 mi. S. P. 390, Robeson Co., $90,000; grading 5.4 mi. S. P. 111, Camden Co., $27,000, 6.4 mi. S. P. 117, Currituck Co., $35,000, 5.3 mi. S. P. 149, Hertford Co., $35,000; concrete or asphalt paving 8.2 mi. S. P. 151-B, Hyde Co., $210,000, 9.6 mi. S. P. 276, Sampson Co., $250,000, 11 mi. S. P. 404, Chatham Co., $285,000, 6.2 mi. S. P. 662, Richmond Co., $175,000, 13.4 mi. S. P. 791-B, Yadkin Co., $375,000; grading and gravel surfacing 7.8 mi. S. P. 440, Harriett Co., $50,000; grading and waterbound macadam surfacing 8.7 mi. S. P. 967, Macon Co., $120,000. C. M. Upham, highway engr.

Fla., Pensacola — Escambia Co. plans constructing and hardsurfacing roads. $800,000. W. E. Wheat, co. engr.

Fla., Stuart—Plant election Sept. 29, to vote $30,000 bonds for paving of various streets here. E. J. Ricou, mayor.

O., Canton—Stark Co. plans concrete guttering and tarvia paving 1 mi. Mayfield Rd., 30 ft.; new Avondale allotment on Fulton Rd. $40,000. W. E. Sarver, City Hall, engr.

O., Cleveland — Cuyahoga Co. plans paving 2.314 mi. Wallings Rd. from Broadview to State Rd., $133,346; 0.624 mi. Highland from Euclid to Southerly Rds., $39,460, 3.937 mi. Solon Rd. from Solon Rd. to Chagrin Falls, $235,000. F. Lander, Court House, engr.

O., Cleveland — Cuyahoga Co., plans paving 3.218 mi. York-Bennett Rd., $249,040, 8.021 mi. Center Ridge Rd. $150,000; brick paving Essen Ave. at Bertha Rd., $37,666. F. Lander, Court House, engr.

O., New Philadelphia—Tuscarawas Co. plans macadam paving 4 mi. Carrollton-New Philadelphia Rd., 20 ft., $145,000. C. A. Stengel, New Philadelphia, engr.

Minn., Mankato — Comrs., Blue Earth Co. voted to sell $100,000 reimbursement bonds for improving trunk highways, in various streets. J. W. Hruska, Mankato, engr.

Kan., Emporia — Making preliminary plans grading, curbing and brick on concrete paving, etc. 18 blocks South Exchange, Sylvan, East, 10th, 11th, Grove and Center Sts., 9th St. from Market to Mechanic St., and 9th St. from Mechanic to State Sts.

Kan., Ft. Scott—Bourbon Co. plans grading, and bituminous macadam paving 5.979 mi. Federal Aid Project 271 Sect. A, 16 ft. B. Boyle, co. engr.

Kan., Mound City—Plans grading and concrete or brick surfacing 1.395 mi. Federal Aid Project 109 G, Linn Co., 18, 22, 36, 58, and 60 ft. wide. F. E. Owlin, Wichita, engr.

Kan., Wichita — Making preliminary plans paving, curbing and guttering 26 blocks Pine, 16th, Volutsia, Willow and Waco Sts., 2 in. asphaltic concrete on 5 in. concrete; Roosevelt, Shirk, St. Frances, Volutsia, Vassar, Wichita and Woodrow Sts., 6 in. concrete; 3rd and Webb Sts., fibre brick on concrete; Vassar and Victor Sts., sheet asphalt on concrete. P. L. Brockway, city engr.

Kan., Wichita—E. S. Worrell, city clk., City Hall, takes bids about Sept. 15, grading, curbing, guttering and asphaltic concrete paving 14 blocks First, Hillside, Mertha, Sycamore, Central and Spruce Sts., Brockway, City Hall, engr.

Mont., Helena—V. N. Kessler, city clk., received no bids Aug. 11, paving about 20,000 sq.yd. Main St.

Mo., Centralia — Voted $50,000 bonds street work. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, engrs.

Streets and Roads (Continued)

Mo., Clinton — Making plans concrete paving various streets. E. T. Archer & Co., 609 New England Natl. Bank Bldg., Kansas City, engrs.

Mo., St. Louis—Making preliminary plans grading and brick on concrete or concrete surfacing 27,500 sq.yd. Blocks 4391A, 2775, 3815, 4253, 4409A, 4410A, 5556, 5157, 5652, 5510, 5479, 2370A, 4895, 4714, 5828 and 1187. W. W. Horner, 300 City Hall, engr.

Tex., Boston—Bowie Co. making plans concrete paving 2.5 mi. State Highway 5, 18 ft. $70,000. F. E. Hess, co. engr.

Tex., Brady — McCulloch Co. making plans grading and bridging 5.5 mi. State Highway 9, 26 ft. $36,000. E. A. Burrows, co. engr.

Tex., Cameron — Milan Co. soon takes bids grading and constructing concrete culverts on 2 mi. of approaches, also 192 ft. steel truss bridge on concrete piers and abutments across Little River, on State Highways 36 and 44. $140,000. A. F. Mitchell, co. engr.

Tex., Canadian — Hemphill Co. rejected bids grading 1.15 mi. State Highway 5, State Aid Project 300-A, and repairing bridge across Big Timber Creek and dip across west fork of Horse Creek. $25,725. Will readvertise. R. B. Alexander, co. engr. Noted Aug. 21.

Tex., Clairemont—Kent Co. voted $1,000,000 bonds road construction. J. R. Ward, co. judge.

Tex., Cuero—De Witt Co. making plans improving 20 mi. Glacier-Gulf Highway. $135,000. Terrell Bartlett, 612 Calcasieu Bldg., San Antonio, engrs.

Tex., Eagle Pass—Maverick Co. making plans hard surfacing Winter Garden Trail Highway between here and Dilley. $150,000 bonds sold. C. E. Wright, San Antonio, engr.

Tex., Groveton—Trinity Co. election Sept 20, $55,000 bonds improving Rd. Dist. 5. F. G. Berry, co. judge.

Tex., La Grange—Fayette Co. plans improving 5.5 mi. State Highway 72. $77,000. J. P. Kearby, La Grange, engr.

Tex., La Grange — Fayette Co. making plans grading and gravel surfacing 5.5 mi. State Highway 72, 18 ft. $77,000. J. P. Kearby, Jr., co. engr.

Tex., Pearsall—Frio Co. takes bids about Oct. 1. improving 15 mi. Dilley-Eagle Pass Rd. $260,000. R. E. Killmer, Pearsall, engr.

Tex., Waco — Making plans permanent paving 56 blocks various types. $300,000. V. G. Koch, city engr.

Wash., Everett—Plans 11,000 ft. industrial highway linking bay front plants from 21st St. to the Point $195,000. The highway necessitates fill and crib bulkhead to be completed when present trestle is worn out, $132,000. E. S. Paine, city engr.

Wash., Tacoma — City and Pierce Co. soon take bids paving McKinley Ave. from 40th to 72nd Sts. $142,000. W. M. Bosworth, city engr.

Calif., Compton—Made plans improving Willow, Orange Sts., etc., 17,860 lin.ft. curbing, 86,930 sq.ft. sidewalks, 263,500 sq.ft. grading and 5 in. concrete paving, sewers, etc. E. M. Lynch, Central Bldg., Los Angeles, engr.

Calif., Fresno—District being formed to finance paving streets and constructing subway in north and northeast sections of Fresno Co. To exceed $25,000. Ross and Sutherland, Rowell Bldg., engrs.

Calif., Long Beach — Plans improving Livingston Dr. and Ocean Blvd. between Alamitos St. and Toledo Dr., $150,000. R. D. Van Alstine, city engr.

Calif., Long Beach—Making plans paving West Anaheim St. between Perris Rd. and Daisy St. To exceed $75,000. R. D. Van Alstine, city engr.

Calif., Long Beach — Made plans 8 in. concrete paving East 7th St. between Redonda and Termino Aves. $40,000. R. D. Van Alstine, city engr.

Calif. Los Angeles — Los Angeles Co. plans improving 3,593 lin.ft. Boston Ave. and Alameda St., 2,780 cu.yd. excav., 1,238 lin.ft. curbing, 14,010 sq.ft. guttering, 12,460 sq.yd. 1½ in. national paving on 3½ in. asphaltic concrete, $42,860; 17,750 lin.ft. Moneta and Grand Aves., Spring, Main, 108th and 109th Sts., 113,316 sq.ft. concrete sidewalks, 5,839 sq.ft. guttering, 28,914 lin.ft. concrete curbing, 3,641 cu.yd. excav., $45,113; 3,630 lin.ft. Center St. and Atlantic Ave., 5,833 lin.ft. concrete curbing, 44,263 sq.ft. guttering, 1,571 sq.ft. concrete sidewalks, 3,076 cu.yd. excav., and 9,806 cu.yd. 1½ in. asphaltic concrete (Topeka top) on 3½ in. asphaltic concrete, $87,965.

Calif., Pomona—Plans paving East Holt Ave. between Reservoir St. and the east city limits. $60,000. F. C. Froehde, city engr. Noted Feb. 28.

Calif., Riverside—Riverside Co. making estimates constructing 11.7 mi. highway from Oak Cliff to Idyllwild and Keen Camp in San Jacinto Mts., $114,000, bridges and culverts on road, $17,500. A. C. Fulmor, co. surv. Federal aid will appropriate toward cost.

Calif., Santa Ana — Orange Co. made plans 5 in. asphaltic concrete paving on 1.5 mi. Cedar St., 18 ft. J. L. McBride, co. surv.

Calif., Santa Barbara — Making plans (first unit) 5 in. concrete paving approximately 5 mi. Around-the-City-Boulevard. $90,000. Total $750,000 to $1,000,000. G. D. Morrison, city engr.

Calif., Santa Monica—Making plans widening Bway. between ocean to city limits and Palisades Beach. To exceed $25,000. H. B. Carter, city engr.

Calif., Santa Rosa — Sonoma Co. plans to form road district to finance construction of Guerneville Rd. between Santa Rosa and Sebastopol. $100,000. E. A. Peugh, co. surv.

Calif., Stockton—Made plans improving streets in Marysvale Dist., 5,732 cu.yd. cut, 3,741 cu.yd. fill, 7,644 lin.ft. curb and gutter, 37,073 sq.ft. sidewalks, 113,817 sq.ft. asphalt macadam pavement. W. B. Hogan, city engr.

Calif. Venice—Making plans paving Trolley Way. To exceed $25,000. H. Chapman, city engr.

Ont., Bridgeburg—Plans asphalt paving Jarvis St. $30,000. H. G. Patriarche, town engr.

Ont., Hamilton—Making plans widening and asphalt paving King William St. $200,000. W. L. McFaul, city engr.

Ont., Hamilton—Making plans concrete sidewalks on Barton St. $6,690, Cape St. $1,716, Britannia Ave. from Alexander to Archibald Sts. $990, and from Cameron to Strathearn Sts. $6,072, concrete curbs on Barton St. from Weir to Strathearn Sts., $4,016 and from Kenilworth to Tragina Sts. $3,960, asphalt paving Beach Rd. $23,215, Dundurn St. $37,670, Park Row Ave. $10,425, and Roxborough Ave. $3,025. W. L. McFaul, city engr.

Ont., North Bay—Making plans concrete paving Cassells, Ferguson and Fisher Sts. $32,000. W. N. Snyder, town engr.

Ont., Toronto—Soon takes bids improving Boulevard Dr. between Bathurst and Dufferin Sts., 48,000 cu.yd. grading $43,200, 43,000 sq.yd. paving $236,500, 14,400 lin.ft. curbs $16,560, storm water drains $92,657. R. C. Harris, city engr.

Ont., Windsor—Making plans cement paving Tecumseh Rd. $40,000. M. E. Brian, city engr.

BIDS DESIRED

Massachusetts—Sept. 16, by Dept. Pub. Wks., Div. Highways, State House, Boston, gravel approaches and rein.-con. beam bridge on about 800 ft. highway in Brimfield; paving and bridge on about 5,000 ft. highway in Palmer and Munson. W. F. Williams, comr.

Rhode Island—State Bd. of Pub. Rds., Providence, taking bids concrete paving 6.2 mi. Tefft's Hill relocation of Noose Neck Rd. from Cordwood Corner, Exeter, southerly across to Wyoming Village in Richmond, 18 ft. To exceed $25,000. W. A. Patterson, engr.

N. Y., Brooklyn—Sept. 17, by E. Riegelmann, boro. pres., Boro Hall, asphalt paving and repaving Beverly Rd., Clinton St., Putnam and Irving Aves.

N. Y., New York—Sept. 16, by H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., sheet asphalt paving Wythe Pl., East 142nd St., Melrose and Sheridan Aves., grading, curbing and sidewalks Fowler Ave., 177th and West 256th Sts.

N. Y., St. George—Sept. 15, by J. A. Lynch, pres. Richmond Boro., Boro Hall, grading Sweet Brook Rd., Scribner and Ridgewood Aves.; bituminous macadam paving Scribner Ave.

New Jersey — Sept. 23, by State Hy. Comn., Trenton, rein.-con. paving 53,181 sq.yd. Route 20, Sect. 1, Gloucester Co. A. L. Grover, secy.; adv. E. N.-R. Sept. 11.

N. J., Trenton—Sept. 23, by Hamilton Twp. Com., 23,541 sq.yd. surface treated gravel paving Old York Rd. C. S. Sincerbeaux, Mechanic Bldg., engr.

Pennsylvania—Sept. 30, by State Hy. Dept. Harrisburg, rein.-con. surfacing 17 mi. 6 projects in 7 counties. P. D. Wright, secy. highways.; adv. E. N.-R. Sept. 11.

North Carolina—Sept. 30, by State Hy. Comn., Raleigh, hard surfacing Projects 151-B, 276, 404-B, 662-B and 791-B; macadam or sand asphalt surfacing Projects 276 and 967; topsoil, sand clay, gravel surfacing or grading Projects 111, 117, 396 and 440; adv. E. N.-R. Sept. 11.

S. C., Bennettsville—Sept. 18, at office Highway Commissioners Marlboro Co., graveling, etc., 23,171 cu.yd. State Route 50, Federal Aid Project 74-B, J. M. Martin, Court House, Florence, engr.

S. C., St. George—Sept. 19, at office Bd. Directors Dorchester Co., grading, 3 creosoted timber bridges, and sand clay surfacing 14,492 cu.yd. State Route 61, State Project S-512. W. C. Cathey, Scovil Bldg., Orangeburg, engr.

Louisiana—Sept. 16, by State Hy. Comn., Baton Rouge, constructing 4½ mi. State Project 89 E, Morganza-Ravenwood Highway, Point Coupee Parish. J. M. Fourmy, ch. engr.

Mississippi—Sept. 23, by State Hy. Dept., Jackson, 4.1 mi. concrete highway from Duggan Pl. through Belzoni, 44,371 sq.yd. concrete, 4,000 lb. reinforcing, etc. H. C. Dietzer, highway engr.

Ohio—Sept. 12, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 57.324 mi. roads in Richland, Butler, Carroll, Darke, Erie, Hancock, Henry, Highland, Lawrence, Lucas, Mahoning, Montgomery, Huron, Morrow, Noble, Pike, Sandusky, Scioto, Stark, Tuscarawas, Wayne and Williams Counties; grading and bridging 6.941 mi. in Athens and Washington Counties; grading and culverts 2.390 mi. Defiance Co.; grading, etc., 13.555 mi. in Hocking, Monroe, Morgan and Williams Counties. A. V. Donaheys, dir highways.

O., Garfield Heights (Cleveland P. O.)—Taking bids brick or asphalt paving Alvin Ave. and Cranwood Dr. To exceed $25,000. R. Munz, Town Hall, engr.

Michigan—Sept. 15, by State Hy. Dept. at office Comns. Gratiot Co., Ithaca, grading and surfacing 5.002 mi. State Trunk Line Rd. 46-27, 25,156 cu.yd. excav., 52,823 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—Sept. 15, by State Hy. Dept. at office Comrs. Gratiot Co., Ithaca, grading and surfacing 6.415 mi. State Trunk Line Rd. 14-30, 48,395 cu.yd. excav., 75,267 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—Sept. 15, by State Hy. Dept. at office Comrs. Osceola Co., Hersey, grading 1.551 mi. State Trunk Line Rd. 13-53 A, 15,994 cu.yd. excav. G. C. Dillman, Lansing, ch. engr.

Michigan—Sept. 16, by State Hy. Dept. at office Comrs. Dickinson Co., Iron Mountain, grading and surfacing 6.6 mi. State Trunk Line Rd. 12-51, 37,651 cu.yd. excav., 62,529 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Michigan—Sept. 18, by State Hy. Dept. at office Comrs. Bay Co., Bay City, grading and surfacing 7.92 mi. Federal Aid Project 90, Sect. A, 54,342 cu.yd. excav., 83,468 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—Sept. 18, by State Hy. Dept. at office Comrs. Tuscola Co., Bay City, grading and surfacing 5.376 mi. Federal Aid Project 90, Sect. B, 24,257 cu.yd. excav., 56,727 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Ill., Crystal Lake—Sept. 23, grading and paving 84,000 sq.yd. in Paving Dist. 1, sheet asphalt, Warrenite-Bitulithic or concrete finished by vibrolithic method. Wells Eng. Co., Geneva, engrs.

Wis., West Allis—Sept. 15, by Bd. Pub. Wks., A. Wichner, supt., improving 9 alleys, 48th Ave., Scott and Thomas Sts., 7,329 sq.yd. rein.-con., asphalt and vibrolithic concrete paving 2,689 cu.yd. excav., 1,080 cu.yd. fill; also 82nd Ave., 5,057 cu.yd. cutting and 248 cu.yd. fill. $25,000. W. Darby, City Hall, engr.

Ia., Des Moines—Sept. 15, by Polk Co., paving, etc. part Primary Road System. 17,720 sq.yd. concrete. Iowa Hy. Comn., Ames, engrs.

Ia., Mechanicsville—Sept. 17, by W. E. Davis, town clk., improving Lincoln Highway 20,245 sq.yd. rein.-con., vitrolithic, brick or asphalt pavement, 11,725 ft. curb and gutter, 3,700 cu.yd. excav. H. R. Green Co., 208 Bever Bldg., Cedar Rapids, engrs.

Ia., Tipton—Sept. 17, by Cedar Co., grading 4.253 mi. part Primary Road System, 122,518 cu.yd. earth excav. Iowa Hy. Comn. Ames., engr.

Minnesota—Sept. 19, by State Hy. Dept., St. Paul, 9.8 mi. State Project 23-30, Div.

Streets and Roads (Continued)

B, Federal Aid Project 257, Pine Co. and Mission Creek, 154,000 cu.yd. excav.; also 20 ft. bridge 4340, $35,000, engr. State Highway Dept., 1246 University Ave., St. Paul.

Mo., Cape Girardeau—Sept. 28, by City Clerk, grading, curbing and 6 in. concrete paving, etc., various streets. $54,000. J. B. Heagler, City Hall, engr.

Mo., Centralia—Sept. 15, by C. B. Meffert, city clk. paving etc. Allen, Sneed, Singleton, Rollins and Railroad Sts., 15,300 sq.yd. fibre brick, sheet asphalt, rock asphalt or concrete, 5,350 ft. concrete curb and gutter, 500 ft. radius curb and gutter, etc. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, engrs.

Mo., Maryville—Sept. 13, by City Clerk, grading, guttering and hard surfacing 4 blocks South Main and Market Sts. J. C. Reese, city engr.

Ark., Fort Smith—Sept. 18, by G. T. Garnall, city secy., City Hall, improving Dist. 29, 1,470 cu.yd. earth and 440 cu.yd. rock excav., 820 ft. 15 and 18 in. storm sewers, 5,490 sq.yd. 6 in. rein.-con. paving, 4,190 lin.ft. vibrolithic concrete curbing, etc.; also Dist. 30, 3,600 cu.yd. earth excav., 550 lin.ft. 15 and 18 in. sewers, 13,900 sq.yd. 6 in. rein.-con. paving, 10,730 lin.ft. vibrolithic concrete curbing, etc. W. L. Winters, Fort Smith, engr.

Tex., Amarillo—Sept. 23, by S. B. Motlow, judge Potter Co., surfacing Federal Aid Project 421-A, 10,332 yds. concrete or 3 in. brick on 5 in. concrete. Former bids rejected. O. A. Seward, co. engr. Noted Aug. 7.

Tex., Waco—Sept. 22, by V. G. Koch, city engr., permanent paving 14 blocks Gorman and South 9th Sts., etc., various types. $90,000.

California—Sept. 22, by State Highway Comn., Sacramento, grading 6.9 mi. highway between Suisun and Deverton, Solano Co. R. M. Morton, staté highway engr.

California—Sept. 29, by State Highway Comn., Sacramento, grading and gravel or stone surfacing 6.9 mi. highway between point ½ mi. west of Freshwater and Williams, Colusa Co. R. M. Morton, highway engr.

Calif., Inglewood—City Trustees taking bids improving Arbor Vitae St. between Prairie and Freeman Aves., 529,830 sq.ft. grading, 14,832 lin.ft. curbing, 73,134 sq.ft. sidewalks, 377,321 sq.ft. 5-in. Willite paving. A. W. Cory, city engr.

BIDS RECEIVED

Massachusetts — Dept. Pub. Wks., Div. Highways, Boston, bituminous concrete paving 4,650 ft. highway in Barnstable, from S. W. Lawrence, Falmouth, $26,978; 4,890 ft. highway in Foxboro, from Morrill & Fiorle, 70 Barrows St., North Attleboro, $26,979. Noted Aug. 28.

Mass., Boston—Park Dept., 33 Beacon St., widening and resurfacing road in Franklin Park, Sect. 1 from Blue Hill Ave. to Valley Gate Triangle, bitulithic, from M. De Matteo, 12 Rowe Pl., Rosindale, $51,667. Noted Aug. 14.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., widening and wood block repaving 6th Ave., from J. Meehan & Son, 74 Cortland St., $27,632; sheet asphalt repaving 59th St., from Sicilian Asphalt Paving Co., 41 Park Row, $29,688. Noted Aug. 28.

Pennsylvania—State Dept. Hys. Harrisburg, (**R. means Route and A. Application**), rein.-con. surfacing R. 18, Northumberland Co., from W. A. Godcharles, Milton, $89,859; A. 585, Franklin Co., from Bester-Long Co., Hagerstown, Md., $98,756; A. 1216, Fayette Co., from Georges Constr. Co., R. D. 5, Uniontown, $83,442; R. 51, Somerset Co., from M. F. McCabe & Co., 309 Deveny Bldg., Fairmount, W. Va., $17,939; R. 197, Berks Co., from W. B. Scheidy, 1113 Bern Ave., Wyomissing, $123,163; A. 2738, Potter Co., from M. J. McMahon, Brookville, $28,467; R. 73, Mercer Co., from J. McCarty Constr. Co., Union City, $37,787; repairs Bridge Route 150, Bucks Co., from Craven Co., 605 Market St., Phila., $7,507. Noted July 31.

Pa., Phila. — Pub. Serv. Com., Sept. 3, from Duffin Bros., 3643 North 11th St., grading Fanshawe, Gilham, Magee, McKinley and Unruh Sts., $4,906, from R. B. Wenner, 3106 Midvale St., Middleton St. and Cedar Park, $1,825, from S. C. Ratzell, Limekiln Pike and Haines St., Middleton St. and Cedar Park, $1,825, from T. P. Lee, 5629 Cherry St., Trinity and 67th Sts., $14,295, from F. Mark Contg. Co., 2820 North 21st St., 16th St., $2,099; from Barber Asphalt Co., 239 North 30th St., asphalt paving Creswell St., $2,012, Pierce St. $5,430, Rutland St. $2,433, Spencer St. $2,915, asphalt repaving Pechin St. $14,549; from Mack Paving & Constr. Co., Nicetown Lane and Luzerne Sts., asphalt paving Penn St. $9,047, Pratt St. $9,746; from J. Devlin, Jr., Hancock and Thompson Sts., repairing Fawn St., $799; from Fish-Rutherford Inc., 702 Real Estate Trust Bldg., $28,551. Noted Sept. 4.

Louisiana—State Hy. Comn., Baton Rouge, constructing Many-Leesville Highway, State Project 145 A, from J. H. Reeves, Pearson, A $51,211, from Byrd & Clopton, Morrow, B $56,940.

O., Cincinnati—Hamilton Co., improving 6.25 mi. Cincinnati-Chillicothe Rd. from Cincinnati Corp. Line to Milford, 66,300 lin.ft. 2 ft. concrete shoulders, 64,500 cu.yd. excav., 62,500 sq.yd. bituminous macadam, 265,625 gal. tar, etc., from Murdock Constr. Co., 4611 Main Ave., Norwood Ave., Norwood, $433,883. Engrs. est. $456,188. Noted Aug. 21.

O., Cleveland—Improving (1) Carlston Rd. (2) Chapelside Ave. (3) Carnegie Ave. (4) Dundee Dr. (1 to 4 inclusive) involves 14,160 sq.yd. vitr. brick on concrete, 11,870 lin.ft. stone curbing, 12,290 ft. 4 in. drain tile gutter, and 11,690 cu.yd. earth excav., (5) Ardoyne Ave. (6) West 105th St. (7) East 104th St. (5 to 7 inclusive) involves, 11,410 sq.yd. vitr. brick on concrete 5,720 lin.ft. stone curbing, 8,686 lin.ft. 4 in. drain tile gutter, 5,670 cu.yd. and earth excav. (8) Benham Ave. (9) Almira Ave. (8 and 9) involved 15,300 sq.yd. vitr. brick or asphalt on concrete, 9,210 lin.ft. stone curbing, 10,950 lin.ft. 4 in. drain tile gutter, 7,600 cu.yd. earth excav., (10) Chautauqua Ave. (11) West 176th St. (12) Orleans Ave. (13) West 84th St. (14) Carlton Rd. (10 to 14 inclusive) involves, 9,770 sq.yd. asphalt, 6,970 lin.ft. stone curbing, 6,940 lin.ft. 4 in. drain tile gutter, 3,940 cu.yd. earth excav., from H. G. Herring, 316 The Arcade. (1) $15,514; Cleveland Trinidad Paving Co., The Arcade (2) $20,163 (7) $4,952 (12) $6,524 (14) $9,638; Bentley Bros., 3030 Euclid Ave. (3) $50,180; Rieley Bros., The Arcade, (4) $24,524; Roehl Bros. Paving and Constr. Co., 7002 Denison Ave. (5) $12,188 (9) asphalt $39,874, brick $45,229 (13) $6,465; Baldwin Bros., 4500 Euclid Ave., (6) $51,404 (8) asphalt $26,573, brick $34,475 (11) $6,424; Gould & Maybach, 16313 Saranec Rd., (10) $10,569.

O., Idlewood (Cleveland Heights P. O.)—Asphalt paving Barrington and Fridel Rds., from Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $34,386. Noted Aug. 28.

South Dakota — State Highway Comn., Pierre, (**F. A. P. means Federal Aid Project**), grading 9.85 mi. F. A. P. 187 A, Gregory Co., 158,262 cu.yd. common excav., 6,911 lb. reinforcing, etc., from R. P. England, Murdo, $50,753; 18.31 mi. F. A. P. 182 A, Buffalo and Jerauld Counties, 150,794 cu.yd. common excav., 59,044 lbs. reinforcing, etc., from W. R. Larson Constr. Co., 519 Secy. Natl. Bank Bldg., Sioux Falls, $60,247; 11.1 mi. F. A. P. 170 E, Turner and Minnehaha Counties, 110,100 cu.yd. common excav., 18,702 lbs. reinforcing, etc., from Tobin & Maloney, Madison, $27,909. Noted Aug. 21.

Tex., Austin—Travis Co., grading and bridging 7 mi. Pflugerville Rd., 26 ft., from J. D. Winder & J. T. Peterson, Bastrop, $28,503. Engrs. est. $26,000. Noted Aug. 14.

Tex., Dallas—Paving Ash Lane, Blackburn, Brighton, Christler, Cadiz, Cole, Cleveland, Edgefield, Graham, Goliad, Gladstone, Hamilton, Junius, Melba, Metropolitan, Oak Grove, Oak Cliff, Palo Pinto, Richard, Summit, 12th, Terry, Vickery, Rosemont, Richmond, Terry-Vernon, Washington-Willis, Rowan, Wilmott, Windomere, Alta Bank, Beacon, Cochran, Evergreen Grigsby, Hibernia, Hickery, Lattimer, Marilla, 9th, Park Row and Price Sts., from Central Bitulithic Co., Praetorian Bldg., warrenite bitulithic $2.90 and $3.05; from Smith Bros., Amer. Exch. Natl. Bank, willite asphaltic concrete $2.85 and $3; from Fuller Constr. Co., Kirby Bldg., willite asphaltic concrete $3.10 and $3.20; from Nichols Martin Co., Magnolia Bldg., Uvalde rock asphalt $2.77 and $2.92; from Uvalde Paving Co., Insurance Bldg., Uvalde rock asphalt $3.05. Noted Aug. 7.

Tex., Dallas — Paving Bonita Ave. between Henderson and McMillan Aves., from Uvalde Rock Asphalt Co., Insurance Bldg., $4.80 per ft. Engrs. est. $52,000.

Tex., Groesbeck—Limestone Co. paving various streets (a) asphaltic concrete (b) Uvalde rock asphalt on 5 in. concrete (c) 6 in. rein.-con. (d) 3 in. brick on 5 in. concrete (e) 2½ in. brick on 5 in. concrete, from Texas Paving Co., Southwestern Life Bldg., Dallas, (a) $87,505 (b) $89,464 (c) $84,811; from Smith Bros., Amer. Exch. Bank Bldg., Dallas, (a) $85,005 (d) $101,171 (e) $97,742; from Uvalde Paving Co., Dallas, (a) $86,109 (b) $93,447.

Tex., Jasper — Jasper Co., grading, gravel surfacing and bridging 9.1 mi. State Highway 8, Federal Aid Project 350, 16 ft., from R. H. Minton, Hemphill, $139,846. Engrs. est. $150,740. Noted Aug. 14.

Tex., Leakey—Real Co., grading and bridging 18.07 mi. State Highway 418, 24 ft., from B. Moore Constr. Co., Amicable Bldg., Waco, $76,843. Engrs. est. $83,000.

Wash., Seattle—Bd. Pub. Wks., Aug. 29, from R. G. Stevenson, 1327 North 34th St., improving Prospect St., et al, 3,000 cu.yd. earth excav. at $0.70 per cu.yd., 6,625 sq.yd. 6 in. concrete $1.60, 3,000 sq.yd. 7 in. concrete $1.85 etc., total $57,735. Engrs. est. $64,581.

Wash., Seattle—King Co. Comrs. grubbing and grading 2.5 mi. Quartermaster-Dockton Rd., from Erickson & Lucich, Henry Bldg., $45,988. Engrs. est. $45,000. Noted Feb. 21.

Calif., Stockton — From C. Moreing, Stockton, improving streets in Pacific Manor (Bonnie Brae, Pacific Way, etc.), 15,501 cu.yd. cut at $0.20 per cu.yd., 1,275 cu.yd. fill $0.40, 13,391 lin.ft. concrete curbing and guttering $0.925, 66,037 sq.ft. concrete sidewalks $0.125, 152,274 sq.ft. 4 in. cementing gravel base and 2 in. asphaltic macadam surfacing $0.125, 17,680 sq.ft. 1½ in. gravel and 2½ in. asphaltic concrete base, also 2 in. asphaltic concrete surfacing $0.25, total $54,950. Noted Aug. 28.

Ont., Brampton—Paving 13,000 sq.yd. various streets, from Warren Bituminous Paving Co., 54 University Ave., Toronto, 8 in. sheet asphalt $2.50 per sq.yd., 8 in. asphaltic concrete $2.33, 8 in. bitulithic with limestone aggregate $2.85 and with trap rock aggregate $2.95, concrete curb and gutter $0.85 per lin.ft., excav. $0.70 per cu.yd. Noted Aug. 14.

CONTRACTS AWARDED

Maine—State Hy. Comn., State House, Augusta, grading and bituminous macadam surfacing 2.45 mi. in Frankfort, to McCabe & Giovannini, 24 East Concord St., Boston, Mass., $97,679, grading and gravel surfacing 5.72 mi. in Winn, to Douglas & Litchfield, Brunswick, $79,347. Noted Aug. 14.

Massachusetts—Metropolitan Dist. Com., 1 Ashburton Pl., Boston, surfacing and grading West Border Rd. and Pleasure Dr., in West Roxbury, to J. H. Fannon, 28 Hinkley St., Somerville, $31,313. Noted Sept. 4.

Massachusetts — Dept. Pub. Wks., Div. Highways, State House, Boston, rein.-con. paving 22,306 ft. highway in Holyoke, to D. O'Connell & Sons, 480 Hampden St., Holyoke, $302,498; 7,100 ft. highway in Agawam, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $60,417, bituminous macadam paving 16,860 ft. highway in Freetown, to C. Bianchi & Co., 200 West Central St., Framingham, $79,863, 4,500 ft. in Middleboro, to B. C. Jordan, 1244 Elmwood Ave., Providence, R. I., $26,695, 3,501 ft. in Lunenburg, to C. J. Sweeney, Stoneham $20,757; bituminous concrete paving 3,325 ft. in Chatham, to S. W. Lawrence, Falmouth, $17,761, 2,700 ft. in Walpole to Crowley Bros., Fitchburg, $18,966; waterbound macadam paving 1,350 ft. in Norwell, to B. Weston, Allerton, $4,084; bituminous paving 41,700 ft. in Dracut, to A. Polatto, Dracut, $10,139; concrete paving 1,550 ft. in Marlboro, to J. A. Gaffey & Son, 19 Curtis St., Medford, $22,666. Noted Aug. 21.

Mass., Medford (Boston P. O.) — Constructing various streets, to Rowe Contg. Co., North Revere St., Malden. Engrs. est. $25,000. Noted Aug. 7.

Connecticut—State Hy. Dept., Hartford, concrete paving 8,054 ft. Federal Aid 18, Sect. B, in Norfolk and North Canaan, and 8,220 ft. Sect. A, Federal Aid 18, in North Qanaan, to Osborn-Barnes Co., Odd Fellows Bldg., Danbury, $91,200 and $97,000 respectively, 3,982 ft. Marble and Franklin Sts., in Ansonia, to Leverty & Hurley, 1014 Wood Ave., Bridgeport, $35,650, 17,295 ft. Watertown Rd., in Waterbury, and 19,210 ft. Federal Aid 15, in Plainfield, to Connecticut Natl. Paving Co., Inc., New Haven, $226,000 and $192,000 respectively, 2,782 ft. Bank St., in New London, to Waterbury Concrete Constr. Co., 110 Grand St., Waterbury, $57,900, 2,820 ft. Clark St., in Southington, to Immick Co., State St., Meriden, $27,760; macadam, native stone paving 5,350 ft. North Colebrook Rd., in Colebrook, to J. Mascetti, 223 Oak Ave., Torrington, $38,430, 22,000 ft. Staffard-

Streets and Roads (Continued)

Union Rd., in Union, to M. A. Gammino Constr. Co., 728 Valy St., Providence, R. I., $148,300; macadam, native stone paving 5,000 ft. Roxbury Falls Rd., and waterbound macadam paving 10,900 ft. Woodbury-Southbury Rd., in Roxbury, to L. Longhi Bros., Inc., 43 Centre St., Torrington, $27,400 and $64,980 respectively. Noted Aug. 28.

Connecticut—State Hy. Dept., Hartford, plans concrete paving about 4 mi. State Trunk Highway in Menden and Middletown; about 15 mi. road parallel with present road on west side of New York, New Haven & Hartford R.R. tracks, in Yalesville, Wallingford, North Haven and New Haven; making surveys for line and grade changes and probably concrete paving 22,000 ft. Southington Rd., from Meriden to Milldale, Hartford Co. J. A. MacDonald, comr.

Conn., Bristol—To Cosmo Vacca, Terry Rd., improving Gridley St., 12,000 sq.ft., concrete sidewalks $0.215 per sq.ft., 6,000 sq.ft. concrete gutters $0.215 and 2,400 ft. curbing $0.50. Engrs. est. $25,000.

Conn., New Britain—Park Dept., grading in connection with developing Stanley Quarter Park, to W. H. Hall Constr. Co., 408 Main St., Hartford, $47,000. Noted Sept. 4.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, grading sidewalk space and laying sidewalks on Ave. D, etc., to P. Marconi & Son, $1,478; asphalt repaving Heyward St. and Willoughby Ave., to Cleveland Trinidad Paving Co., Flushing, $46,738 and $50,436 respectively, Rockaway Ave. to Borough Asphalt Co., 1301 Metropolitan Ave., $11,001, Willoughby St., to Uvalde Asphalt Co., 1 Bway., New York, $10,526; regrading sidewalk space and laying sidewalks, etc., on Rochester Ave., to Grimm Contg. Co., 170 McKinley St., $1,716; curbing, flagging, etc., West 33rd St., J. J. Guinan Contg. Co., 2314 Gravesend Ave., $13,430; granite block repaving 39th St., to J. D. Norton, 20 Sterling Pl., $7,180. Noted Aug. 21.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., to A. A. Johnson Corp., Queens Blvd. asphalt block repaving Astoria Ave., $165,466; to W. P. McDonald Constr. Co., 17 West 42nd St., New York, sheet asphalt repaving Main St. $41,265, Lefferts Ave. $23,328, 122nd St. $6,380; to Uvalde Asphalt Paving Co., 1 Bway., New York, grading, curbing, laying sidewalks and asphalt paving 12th Ave. $10,217; to H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, grading sidewalk, gutter space, curbing and laying sidewalks on 88th Ave., $1,211; to Highway Impvt. & Repair Co., 501 Bloomfield Ave., Montclair, N. J., sheet asphalt paving 113th St. $21,421, 115th St. $11,110, Lefferts Blvd. $63,750, sheet asphalt repaving Metropolitan Ave. $116,630, Woodhaven Ave. $45,015, grading, curbing, laying sidewalks and asphalt paving Lafayette St. $11,230; to J. J. O'Brien, Jr., William St., Jamaica, grading, curbing and laying sidewalks, etc., on 115th St. $8,421. Noted Sept. 4.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., granite block repaving West 16th St., to W. J. Fitzgerald, 547 West 45th St., $50,640, 3rd Ave., to C. Helbock, 633 Wales Ave., $75,707; sheet asphalt paving 42nd and East 65th Sts., to Uvalde Asphalt Paving Co., 1 Bway., $14,572 and $24,272 respectively. Noted Aug. 21.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro. Hall, granite block repaving Bay St., to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $84,233; concrete repaving Brielle Ave., also grading roadway of Westervelt Ave., etc., to J. Kelly, 1150 Forest Ave., West New Brighton, $19,199 and $18,275 respectively. Noted Sept 4.

N. J., Haddonfield—City comrs., paving various streets, to Union Paving Co., 30th and Locust Sts., Phila., Pa., $66,010.

N. J., Hadden Heights — Boro Council, paving 1st and 2nd Aves., to Union Paving Co., 30th and Locust Sts., Phila., Pa. $77,728.

Pennsylvania—State Hy. Dept., Harrisburg, (R. means Route and A. Application), rein.-con. surfacing 16,050 sq.yd. A. 1216, Fayette Co., to Georges Constr. Co., R. D. 5, Uniontown, $83,442; 22,081 sq.yd. A. 2978, Northumberland Co., to W. A. Godcharles, Milton, $39,859; 21,200 sq.yd. R. 585, Sect. 2, Franklin Co., to Frey Constr. Co., Inc., York, $96,900; 37,957 sq.yd. R. 360, Chester Co., to Ambler Davis Co., Harrison Bldg., Phila., $158,988.

Pennsylvania—State Hy. Dept., Harrisburg, (R. means Route and A. Application) rein.-con. surfacing A. 1951, Beaver Co., to Caney Weynburg Constr. Co., Appleton, Wis., $131,603; R. 51, Somerset Co., to F. M. McCabe & Son, Fairmont, W. Va., $17,939; A. 2882, Erie Co., and A. 2832, Erie Co., to C. H. Frey Constr. Co., Erie, $99,599 and $146,628 respectively; R. 222, A. 1762, Cambria Co., and R. 52 and 53, Cambria Co., to Vipond, Strite & Moore, Holidaysburg, $71,681 each. Noted Aug. 14.

Pa., New Castle—Improving Lutton St. from Mill to Washington Sts., to M. J. Scanlon, New Castle, $80,000.

Pa., Oil City—Improving Elm St., to McQuiston Paving & Constr. Co., Farrel, $48,557; concrete paving Clarion St., and improving Wyllis Ave. and 2nd Alley, to Lesher, Schreck & Co., Oil City, $24,677 and $7,385 respectively.

Pa., Pittsburgh — Grading, paving and curbing Los Angeles Ave., to South Hills Paving Co., Horace St. and 3rd Ave., $26,999. Engrs. est. $28,000. Noted July 24.

Maryland—State Rd. Comn., Baltimore, concrete paving 3.7 mi. road from Slacks Corner to Henryton, Howard Co., Contr. HO-47, to Thomas, Bennett & Hunter, Westminster, $153,836, 1 mi. road from Stevenville toward Chester, Queen Anne's Co., Contr. Q-31, to Holt Constr. Co., Federalsburg, $24,300, 1.63 mi. road from Shyrocks Mills to Creagerstown, Frederick Co., Contr. F-77, to L. R. Wasche & Son, Thurmont, $46,105, 1 mi. road along Falls Rd. from end of Contr. B-60 towards Butler, Baltimore Co., Contr. B-64, to J. J. Bresnan Co., 1626 Bank St., Baltimore, $31,207, 0.87 mi. road from Crisfield to Asbury Church, Somerset Co., Contr. S-21, to Hannaman-Burroughs Co., Salisbury, $22,911; asphalt paving 0.57 mi. road along Fort Ave. from Light to Lawrence Sts., Baltimore Co., Contr. Bc-47, to Amer. Paving Co., Montebello Ave., Baltimore, $64,103; graveling 2 mi. road from Marshall Hall towards Pomonkey, Charles Co., Contr. Ch-32, to H. S. Swann, La Plata, $12,962; concrete paving 1 mi. road from Damascus towards Brownlngsville, Montgomery Co., Contr. M-55, also concrete shoulders on 2.2 mi. road from 7th St. Pike through Forest Glen to Kensington, Montgomery Co., Contr. M-54, to H. S. Hatton Constr. Co., Bond Bldg., Wash., D. C., $37,252 and $23,775 respectively. Noted Aug. 28.

Md., Baltimore—Mayor and City Council, City Hall, grading, surfacing, sodding and concrete work, etc., for playground and area around School 69, Granada and Oakford Aves., also for playground and area around Hampden-Woodberry School, to C. J. Spielman Co., 19 Maryland Ave., Westport, $15,411 and $20,040 respectively. Noted Aug. 14.

W. Va., Morgantown—Concrete paving 1.5 mi. Grant and Monongalia Aves., 24 ft., to Cole Bros. Constr. Co., Morgantown, $39,371.

S. C., Greenville — Supervs. Greenville Co., hard surfacing 1.6 mi. Old Spartanburg Rd., to Henry Constr. Co., Greenville, $52,272.

S. C., Spartanburg—Supervs. Spartanburg Co., hard surfacing 1.5 mi. State Highway 19, to Southern Paving Constr. Co., East 11th St., Chattanooga, Tenn., $25,398.

S. C., York — Supervs. York Co., constructing 1 mi. highway, Federal Aid Project No. 246, to B. H. Martin, Easley, $32,175.

North Carolina—State Hy. Comn., Raleigh, (S. P. means State Project), grading 13.73 mi. S. P. 433, Granville Co., to W. W. Tuck & Sons, Virgilina, Va., $72,493; 9.09 mi. S. P. 900, Buncombe Co., to W. E. Graham, Mt. Ulla, $151,038; 11.4 mi. S. P. 474, Vance Co., to C. A. Ragland, Louisburg, $63,514; 10.8 mi. S. P. 265, Pamlico Co., 7.2 mi. S. P. 266, Pamlico Co., and 5.38 mi. S. P. 780-B, Wilkes and Alleghany Counties, to J. F. Mulligan Constr. Co., North Wilkesboro, $73,335, $86,963 and $106,283 respectively; grading and concrete paving 8.98 mi. S. P. 147-B, Hertford Co., to Roberts Paving Co., Clara, Md., $252,163, 10.5 mi. S. P. 163-B, Surry Co., to Ziegler & Dalton Constr. Co., Junction City, Kan., $323,309. Noted July 24.

Fla., Bartow—Polk Co., to W. P. McDonald, Constr. Co. Lakeland, paving, 6.375 mi. Providence Rd., 5 mi. Kathleen-Providence Rd., 6.24 mi. Swindel-Hillsborough Co. Rd., 1.75 mi. Crystal Lake Rd., 6 mi. Cumbie Rd., 7 mi. Lake Parker Rd., 2 mi. Griffin Rd., 2.3 mi. Lake Bonney Rd., 2.5 mi. Bartow-Mulberry connection, 2.25 mi. Fortown-Lake Parker Rd., all 12 ft., 2-in. asphalt $0.28 per sq.yd., 6-in. clay base, $0.73, excav., $0.36 per cu.yd. Noted July 31.

Fla., Clearwater—Pimellas Co. election Sept. 16, vitr. brick paving on 6-in. compact rock, 4x12-in. concrete curb, Rds. 1 and 2 Bay to Gulf Blvd. and Bayview extension, $270,000, sheet asphalt paving or asphaltic concrete or bituminous macadam, on 6-in. compact lime rock, 3x8-in. cypress curb, Rd. 3, Sunset Pt., and Coachman Rd., $180,000, Rd. 4, from City limits, east to Bay to gulf Blvd. in Sect. 18, $72,000, Rds. 5 and 6, North and South via John Barnes and Douglas Aves., $37,000. C. E. Burleson, co. engr.

Fla., West Palm Beach—City, widening, paving, repaving and extending portion of Olive St., to south city limits 40 ft., to J. T. Miller & Co., West Palm Beach, $40,674.

Alabama—State Hy. Comn., Montgomery, graveling 8.25 mi. Livingston Rd., 20 ft., Sumter Co., to J. W. Gwin, Hamilton Sta., Birmingham, $74,684, 9 mi. Brewton-Andalusia Highway, 20 ft., Escambia Co., to Myers Constr. Co., Hattiesburg, Miss., $78,811, 6.3 mi. Butler-Riderwood Rd., 20 ft., Choctaw Co., to Nixon & Phillips, Lineville, $41,885, 8.25 mi. Livingston Rd., Sumter Co., to E. L. Batson & Jones, Birmingham, $69,831; grading 8.25 mi Livingston Rd., 20 ft, Sumter Co., to Western Constr. Co., Little Rock, Ark. $49,554, 6.97 mi. Birmingham-Montgomery Highway, Jefferson Co., to J. J. McCarty, Birmingham, $127,380; sand clay surfacing 3 mi. Troy-Orion Rd., Pike Co., to County Commissioners Court House, Troy, $29,910; bituminous concrete paving 8.1 mi. Roebuck Highway, Jefferson Co., to Independent Paving Co., Amer. Trust Bldg., Birmingham, $24,517; plain concrete surfacing 8.97 mi. Birmingham-Montgomery Highway also 250 yd. approaches to bridge over Cahaba River, Jefferson Co., to Newell Contg. Co., 3828 Ave. A, Birmingham, $179,740; and $12,456 respectively. Noted Aug. 7.

Alabama—State Hy. Comn., Montgomery, grading 8.25 mi. Sect. B, Livingston Rd. via Cork to Mississippi line, 20 ft., to Nixon & Phillips, Lineville, $62,209. Engrs. est. $63,000.

Miss., Corinth — See "Railways" under Mississippi.

La., Baton Rouge—City Clerk, paving 6 mi. various streets, Warrenite bitulithic, to Southern Roads Co., Chattanooga, Tenn., $345,000. Noted Aug. 7.

O., Akron—W. F. Peters, dir. Pub. Serv., grading, curbing, sidewalks, and paving 6,350 sq.yd. Storer Ave., asphalt, to T. E. McShaffrey Constr. Co., 171 South Forge St., $52,684, 4,845 sq.yd. Ira Ave. vitr. brick, to McAlonan Bros., 506 Woodland Ave., $35,210; grading, sidewalks, sewers and paving 12,000 sq.yd. Lovers Lane, vitr. brick to Hollinger & Davidson, Chestnut St. & Bway., $103,523. Noted July 17 and 24.

O., Cambridge—Bd. Control (e.e. means engineers est.) to S. Rennick, 42 East Oakland Ave., Columbus, paving, North 5th St. $27,103, e.e. $30,000, North 7th St. $25,420, e.e. $27,000, north 8th St. $32,692, e.e. $30,000, North 11th St. $32,235, e.e. $30,000.

O., Cleveland—Improving East 40th St. to Cleveland Trinidad Paving Co., The Arcade, $15,602; East 105th and 133rd Sts. to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $32,772. Work involves 6,050 lin.ft. stone curbing, 6,275 lin.ft. 4 in. drain tile gutter, 3,090 cu.yd. earth excav., 11,990 sq.yd. vitr. brick paving.

O., Zanesville — Bd. Control, sheet asphalt paving West Main St., to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $105,174. Engrs. est. $110,000. Noted Aug. 21.

Michigan — State Hy. Dept. at office Comrs. Kent Co., Grand Rapids, concrete paving 2.555 mi. State Trunk Line Rd. 39-12, to G. P. Schall, Muskegon.

Ill., Kewanee — Improving Tenney St., 4,100 cu.yd. earth excav., 10,300 sq.yd. paving, 4,700 ft. curb and gutter, 700 ft. 10-in. sewer, etc.; East St., 4,100 cu.yd. earth excav., 9,000 sq.yd. paving, 4,600 ft. curb and gutter, 1,930 ft. 10- to 12-in. sewer, etc., to Central Eng. Co., 809 Putnam Bldg., Davenport, Ia., $69,897. Noted Aug. 7.

Ill., Mattoon—Grading, curbing, guttering and hard surfacing Charleston and Illinois Sts., etc., to Thornton & Son, Mattoon. Engrs. est. $140,000.

Ill., Villa Park—Grading, curbing, guttering and hard-surfacing various streets, to J. N. McCarthy & Co., Joliet. Engrs. est. $75,000.

Wis., Oconto—P. Meennen, city clk., 12,000 sq.yd. vibrolithic concrete paving, etc.

Streets and Roads (Continued)

Superior Ave., to A. R. Garnock, Ingram Block, Eau Claire, $45,196. Noted Aug. 14.

Ia., Nashua—Asphaltic concrete paving, etc., 30,000 sq.yd. various streets, to Western Asphalt Paving Co., 1st. and Nebraska Sts., Sioux City.

Minn., Duluth — City Comrs., W. H. Tischer, improving 4th St., from Wallace to 34th Aves., 34th Ave. from 4th St. to Comstock Ave., to Sawel Rd. to Sunistt St., to Salo & Winnanuki, 1215 East 11th St., $43,249.

Minn., Hibbing—City Clerk, paving 1,400 ft. 1st Ave. from Alexander St. to Anderson St. and Mesaba Ave. between 4th and 5th Aves., concrete on macadam, to E. W. Coons, 230 Center St., $29,658.

Kan., Coffeyville — Improving various streets, 6,900 sq.yd. resurfacing, 21,900 sq.yd. new paving and 1,320 sq.yd. concrete alleys, to C. Stanton, Coffeyville, $113,000. Noted Sept. 4.

Kan., Scott City—Clk. Scott Co. improving 6 mi. Federal Aid Project 248-A, to E. S. McCandless, 216 Tyler St., Topeka, $37,755. Noted Aug. 14.

Kan., Topeka—D. A. Graham, clk. Shawnee Co., 2½ in. bituminous macadam resurfacing 2 mi. West 10th St. Rd., 18 ft., to Kaw Paving Co., 616 North East Bldg., $20,656. Noted Aug 14.

Ont., Timmins—Paving road from here to South Porcupine to McNamara Bros. & Thornton, 23 Scott St., Toronto, $135,000.

Neb., Plattsmouth—Improving Dists. 29, 31 and 33, 7,000 cu.yd. paving, 3,250 cu.yd. grading, 757 ft. curbing, 2,200 ft. combination curbing and guttering, 254 ft. headers, etc. to F. L. Bursche, 2921 North St., Omaha, Engrs. est. $25,000.

Neb., Wisner—For 20,200 yd. paving, 13,000 ft. curbing and guttering, etc., 20 blocks various streets, to Western Asphalt Paving Co., Sioux City, Ia., $56,000.

Missouri — State Hy. Dept., Jefferson City, to J. A. Carlson, Florence, Neb., grading 8 mi. St. Joseph-Hannibal Rd., Macon Co., $61,169, 4.709 mi. St. Louis-Kansas City Rd., Crawford Co., $23,983 to F. Kersting Co., Jefferson City, 5.585 mi. St. Louis-Springfield Rd., Laclede Co., $27,031, 0.189 mi. road from Mexico north, Audrain Co., $1,690, to Republic Concrete Constr. Co., Republic, 5.049 mi. Thayer Koshkonong Rd., Oregon Co., $23,162, to C. P. O'Reilly & Co., Wainwright Bldg., St. Louis, 8.289 mi St. Joseph-Hannibal Rd., Macon Co., $66,679 to W. D. Knott, New Madrid, 1.389 mi. road from Cape Girardeau south, Cape Girardeau Co., $17,179, to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, 0.842 mi. St. Joseph-Hannibal Rd., Macon Co., $12,031, to M. Haasi, Trenton, 3.257 mi. road from Trenton north and south, Grundy Co., $15,394, to C. T. Fogle Constr. Co., Jefferson City, 1.009 mi. Higginsville-Warrensburg Rd., La Fayette Co., $14,812, to A. Hood, Independence, 4.129 mi. St. Joseph-Avenue City Rd., Andrew Co., $36,380, to St. Louis Constr. Co., Frisco Bldg., St. Louis, 0.283 mi. St. Louis-High Ridge Rd., Jefferson Co., $6,013, to O. H. Schmidt, St. Joseph, 4.711 mi. St. Joseph-Gower Rd., Buchanan Co., $33,674, to C. T. Pemberton, Wakenda, 3.327 mi. road from Trenton north and south, Grundy Co., $15,621; to Cook-O'Brien Constr. Co., 305 Railway Exch. Bldg., Kansas City, grading 1.627 mi. Kansas City-St. Joseph Rd., $1,809, 0.632 mi. road from Nashua south, $1,579, 18 ft. concrete surfacing 0.632 mi. road from Nashua South, $9,825, 1.627 mi. Kansas City-St. Joseph Rd., $21,480, all Clay Co.; to Montague Constr. Co., Carbondale, Ill., grading 2.178 mi. St. Louis-High Ridge Rd., Jefferson Co., $17,528, 3.12 mi. St. Louis-High Ridge Rd., St. Louis Co., $36,552, 18 ft. concrete surfacing 5,298 mi. St. Louis-High Ridge Rd., Jefferson and St. Louis Counties $125,537; to Wilson Constr. Co., Warrensburg, grading 0.95 mi. road from Salem south, Dent Co., $9,672, 16 ft. gravel surfacing 0.871 mi. road from Canton south, Lewis Co., $11,403; to Bertman & Menefee, Sedalia, grading and 18 ft. penetration macadam surfacing 2.087 mi. Kansas City-Jefferson City Rd., Pettis Co., $32,224; to Cameron-Joyce & Co., Keokuk, Ia., 18 ft. concrete surfacing and grading 1.652 mi. Hannibal-St. Joseph Rd., Marion Co., $38,210; to Graham Bros., Leeds, 16 ft. gravel surfacing 3.655 mi. Jefferson City-Fulton Rd., Callaway Co., $14,466; to J. T. Cox, Bronson, 12 ft. gravel surfacing 1.751 mi. Forsyth-West Rd., Taney Co., $5,001; to B. Layton, Kirksville, 18 ft. gravel surfacing 4.271 mi. road from Kirksville north, Adair Co., $37,236.

Mo., St. Louis—To Skrainka Constr. Co., Security Bldg., 9,260 sq.yd. re-cut granite blocks on Easton Ave., etc., $43,027, alleys in Blocks 4691 and 5080, $9,088; to Eyerman Constr. Co., 1216 South Grand Blvd., 1,965 sq.yd. re-cut granite blocks on Lucas Ave., etc., and 5,185 sq.yd. Duncan Ave. $42,966; to Webb-Kunze Constr. Co., 5927 Fyler Ave., asphalt paving 2,285 sq.yd. Alsace St. $9,641; to Brighton Constr. Co., 4101 Park Ave., willite paving Devonshire St. $43,878, 10th St. $17,492, Folsom St. $47,422; to Bridges Asphalt Paving Co., Pontiac Bldg., 4,236 sq.yd. bitulithic paving Saloma St. $35,229; to Granite Bituminous Paving Co., Ry. Exch. Bldg., paving with Warrenite on concrete 17,220 sq.yd. Virginia Ave. $81,096, Walsh St. $39,925. Noted July 17.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, grading and concrete paving roads at Meramec Hills Girls Industrial School, to Blackburn & Crean, Chouteau Trust Bldg., $9,934; grading, curbing and concrete base on Pine-Lawton cut-off, to Eyermann Constr. Co., 1216 South Grand Blvd., $12,541; asphalt surfacing and binder course Pine-Lawton cut-off to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., $4,361; grading and macadamizing Kingshighway-Northwest from West Florissant Ave., to J. T. McMahon Constr. Co., 1514 Farragut St., $16,623.

Tex., Alice—Jim Wells Co., grading 13.7 mi. State Highway 12, Federal Aid Project 429-F, 26 ft., to W. L. Pearson & Co., First Natl. Bank Bldg., Houston, $25,049; rein.-con. bridges, etc. to J. W. Goodrun, Seguin, $21,538. Engrs. est. $54,010. Noted Aug. 7.

Tex., Cleburne—Paving North and South Main Sts., 2 in. bitulithic on 5 in. concrete, to West Texas Constr. Co., 402 Cotton Exch. Bldg., Ft. Worth, $169,125. Engrs. est. $180,000.

Tex., Ft. Worth—Resurfacing 70,000 yd. Sheltingham addition, to West Texas Constr. Co., 504 Exch. Bldg., $2.54 per yd. Engrs. est. $150,000.

Tex., Sulphur Springs — Hopkins Co., grading, graveling, etc., Dist. 7, to Brooks Constr. Co., Slaughter Bldg., Dallas, $55,437. Engrs. est. $60,000. Noted Aug. 7.

Okla., Oklahoma City—See "Bridges."

Okla., Wewoka — To E. E. Park, Box 622, Okmulgee, improving 7 blocks Wewoka, Walnut, Main and Seminole Sts., 11,450 sq.yd. vertical fibre brick paving at $3.75 per sq.yd., 5,820 lin.ft. curbing $0.83, 4,500 cu.yd. earth excav., $0.80, etc., total $56,698. Engrs. est. $57,000. Noted Aug. 14.

Colorado — State Hy. Dept., Denver, (**e. e. means engrs. est.**), gravel surfacing 12.92 mi. Federal Aid Project 272 B, Pueblo Co., to Shields & Kyle, Pagosa Springs, $103,769, e. e. $132,224, 2.594 mi. Federal Aid Project 267-A, Las Animas Co., to Pople Bros. Constr. Co., 748 West Main St., Trinidad, $25,583, e. e. $27,140, 2.186 mi. Federal Aid Project 202 A, Huerfano Co., to Central Constr. Co., La Veta, $19,368, e. e. $25,000, 3.429 mi. Federal Aid Project 270 A, Rio Grande Co., to Staney-Mackey Constr. Co., Trinidad, $17,627, e. e. $25,000; concrete paving 1.439 mi. Federal Aid Project 270 A, Arpahoe Co., to Andrew J. Collins, 2363 Blake St., Denver, $42,016, e. e. $47,628. Noted Sept. 4.

Utah—State Rd. Comn., Salt Lake City, gravel surfacing 4.98 mi. State Rd., Federal Aid Project 72-A, in Fairview and Mt. Pleasant, Sanpete Co., 24 ft., to Gray & Murdock, Dooly Bldg., Salt Lake City, $55,782. Engrs. est. $56,168.

Wash., Port Angeles—City Council, grading, etc., Cherry St. et al., 70,000 cu.yd. earth excav., 8,000 cu.yd. embankment, to Owens Bros., Port Angeles, $169,606.

Wash., Winlock—City Comrs., 6 in. concrete paving 5,520 sq.yd. Kerron St. et al., to Williams & Douglas, Winlock, $2.95 per sq.yd., total $25,688. Engrs. est. $25,500.

Wash., Seattle—Bd. Pub. Wks., grading, paving, etc., Alaska St., et al., to M. Richardson, 3434 14th St. W., $27,171, engrs. est. $25,507; improving North 39th St., et al., and concrete walks, etc., on Dibble Ave. N.W., et al., to Fiorito Bros., 3950 6th St. N.W., $25,961 and $25,847 respectively.

Wash., Seattle—Bd. Pub. Wks., grading, curbing, guttering and paving 31st Ave. S., et al., to L. Coluccio, 1642 Lane St., $26,989. Engrs. est. $27,517.

Oregon — State Hy. Comn., Salem, constructing 1,700 ft. Astoria Sect. Columbia River Highway, Clatsop Co., to J. Slotte, Astoria, $32,523.

Calif., Compton—To G. H. Oswald, 366 East 58th St., Los Angeles, improving Magnolia Ave., 37,245 sq.ft. grading at $1.75 per sq.ft., 37,245 sq.ft. concrete paving $0.17, etc., also Palmer Ave., 27,480 sq.ft. sidewalks at $0.17 per sq.ft., 6,470 lin.ft. curbing $0.50, 213,650 sq.ft. grading $0.01, 213,650 sq.ft. concrete paving $0.16, etc. Noted Sept. 4.

Calif., Glendale—To E. W. Tuttle, 534 Merchants Natl. Bank Bldg., Los Angeles, improving Kenilworth Ave., 289,327 sq.ft. grading at $0.013 per sq.ft., 8,511 ft. curbing $0.50, 4,286 ft. vitr. sewer $0.85, 231,806 sq.ft. paving $0.125, 28,415 sq.ft. sidewalks $0.16, water pipe, lump sum $13,650, etc., total $65,989. Engrs. est. $70,000. Noted Aug. 21.

Calif., Los Angeles—Supervs. Los Angeles Co., grading, curbing and paving Hardy St. between Hawthorne and Prairie Aves., to Braun, Bryant & Austin, Inglewood, $35,413. Engrs. est. $40,000. Noted Aug. 7.

Calif., Los Angeles — Bd. Pub. Wks., grading and sanitary sewer in Banning Ave. between Anahei and "B" Sts., to Western Dredging Co., 629 Citizens Natl. Bank Bldg., $347,936. Noted Aug. 7.

Calif., Pasadena — Paving rein.-con. storm sewer, sidewalks, grading, curbing, guttering, etc., Glen Ave., and other streets, to O. P. Day, 226 Boston Bldg., approximately $81,755.

Calif., San Leandro—Grading and 1½ in. asphaltic concrete paving portions of Sunset Blvd., to Associated Constr. Co., 564 Market St., San Francisco, $29,356.

Calif., Santa Ana—To B. R. Ford, 407 West 17th St., improving Santa Clara Ave., 201,058 sq.ft. 5 in. concrete paving, 8,745 lin.ft. curbing, etc., total $40,841. Noted Aug. 28.

Calif., Santa Monica—Improving Ocean Ave. between Bway. and 9th St., Warrenite bituminous paving, curbing, sidewalks, sewers and lighting system, to Kneen Paving Co., Dudley Block, approximately $93,250.

Calif., Southgate—To Griffith Co., Railway Bldg., Los Angeles, improving Southern Ave., 18,280 sq.ft. sidewalks at $0.16 per sq.ft., 4,280 lin.ft. curbing $0.50, 19,630 sq.ft. 5 in. guttering $0.22, 6,110 sq.ft. 8 in. guttering $0.33, 276,950 sq.ft. grading $0.025, 1½ in. Willite paving on 3½ in. bituminous base $0.19; Otis Ave., 5,303 sq. ft. 5 in. guttering $0.22, 388 sq.ft. 8 in. guttering $0.33, 49,933 sq.ft. grading $0.03, 49,933 sq.ft. 1½ in. Willite paving on 4 in. bituminous base $0.205; Seville Ave., 1,954 lin.ft. curbing $0.50, 3,085 sq.ft. 5 in. guttering $0.22, 705 sq.ft. 8 in. guttering $0.33, 42,612 sq.ft. grading $0.03, 42,612 sq.ft. 1½ in. bituminous base $0.19.

Calif., South Pasadena—To H. E. Cox, 305 Slavin Bldg., Pasadena, improving Sycamore and Pasadena Aves., involving 39,000 sq.ft. 5 in. concrete paving, 10,000 sq.ft. 3 in. macadam paving, 2,600 sq.ft. 5 in. guttering, 46,000 sq.ft. sidewalks, 3,200 lin.ft. curbing, etc., total $22,760. Noted Aug. 28.

Quebec — Provincial Government Highways Dept., Quebec, graveling 19,307 ft. National Rd., Sacre Coeur de Jesus Co., to A. Brouillette, St. Esprit, $36,894.

Que., Hull — Asphalt paving 9,000 ft. various streets, 18 ft., to Standard Paving Co., Central Chambers, Ottawa, Ont., $50,000.

Ontario — Dept. Provincial Highways, Toronto, grading 3.6 mi. road near Chatsworth, to J. Hilton, 105 Browning Ave., Toronto. Engrs. est. $25,000.

Ontario—Dept. Provincial Highways, 119 University Ave., Toronto, to Dufferin Constr. Co., 210 Victoria St., Toronto, paving 4 mi. Contr. 1133 $120,000, 0.75 mi. Contr. 1137 $35,000, 1.5 mi. Contr. 1139 $75,000; to W. H. Harvey, Deseronto, 6 mi. Contr. 1128 $180,000; to Premier Constr. Co., Holland Blk., Walkerville, 5.3 mi. Contr. 1129 $160,000; to Johnson Bros., 43½ Market St., Brantford, 5.7 mi. Contr. 130 $170,000; to W. L. Malcolm, Kingston, 2.3 mi. Contr. 1121 $70,000; to Beaver Constr. Co., Manning Chambers, Toronto, 5.9 mi. Contr. 1134 $180,000; to Law Constr. Co., 107 Hillsdale Ave., Toronto, 5.77 mi. Contr. 1125 $200,000; to Godson Contg. Co., Manning Chambers, Toronto, 2.2 mi. Contr. 1138 $100,000; to J. A. Vance, 197 Light St., Woodstock, masonry retaining wall, concrete and stone, Contr. 1126 $20,000.

Ontario — Dept. Provincial Highways, Toronto, concrete paving 4 mi. Prescott Highway south of Manotick, to King-Holmes Co., Kemptville.

Ont., Peterboro—Bitulithic paving Murray and Antrim Sts., to Warren Bituminous Paving Co., 54 University Ave., Toronto, $2.85 per sq.yd., asphalt paving Fountain St., to Brennan Paving Co., 100 Melrose Ave., Hamilton, $2.95 per sq.yd., concrete

Streets and Roads (Continued)

paving Water St. to J. Carrol, Peterboro, $2.30 per sq.yd.

Ont., St. Catherines—To Nicholson & McNamara, St. Catharines, 15,000 sq.yd. concrete base and concrete pavement with concrete curbs and gutters, 8 in. concrete pavement $2, 6 in. concrete base $1.30, concrete curb and gutter $0.70, excav. $1.; to C. Rymer, St. Catharines 15,000 sq.ft. 4 ft. concrete sidewalk 4½ in. thick $0.19 per. sq.ft.

Ont., Toronto—Asphalt paving and concrete curbing Lightbourne Ave., to Godson Contg. Co., Manning Chambers, $9,381; asphalt paving Glebeholme Blvd. and Suffolk Pl., to Construction & Paving Co., Confederation Life Bldg., $7,107 and $2,341 respectively; Hiltz Ave., to Kilmer & Barber Ltd., 10 Adelaide St., E., $13,566.

Ont., Windsor—Paving Wyandotte St., 6 in. concrete base with curb and gutter, to Chick Contg. Co., Windsor, $46,105. Asphalt surfacing same will be done by day labor.

Buildings—Industrial

PROPOSED WORK

Me., Portland—Garage—Clapp Estate, c/o Desmond & Lord, 1 Beacon St., Boston, having preliminary plans prepared 2 story, rein.-con., and brick, repair and service garage. To exceed $50,000.

N. H., Milford—Plant—New Westerly Granite Co., plans new quarry plant, replacing plant destroyed by fire.

Mass., Dorchester (Boston P. O.)—Repair and Service Garage—Stilphen Motor Co., 395 Columbia Rd., plans 1 story, rein.-con. and steel repair and service garage, 450 Columbia Rd. $40,000. Engineer and architect not selected.

Mass., Dorchester (Boston P. O.)—Repair Garage—G. V. Wattendorf, 699 Columbia Rd., plans 1 story, rein.-con. and steel repair garage, Edward Everett Sq. $60,000. Engineer and architect not selected.

Mass., Gardner—Factory—Wallace Nutting Co., Ashland, having plans prepared 2 story, 60 x 60 ft., brick and timber, here. $40,000. Private plans.

Mass., Plymouth—Plant—Scudder Coal Co. having plans prepared addition to coal plant. $40,000. G. P. Carver, Inc., 261 Franklin St., Boston, engrs.

R. I., Davisville—Mill—The Davisville Woolen Co., preparing plans rebuilding 1 story and basement, rein.-con., and steel, plain foundation, destroyed by fire. $40,000. Private plans.

R. I., Pawtucket—Repair Station—D. W. Flint, Inc., Allen Ave., Providence, plans 1 story and basement, 70 x 200 ft. auto repair statfon, steel, plain foundation, Main and Pine Sts. $40,000.

Conn., Norwich — Repair and Service Garage—E. C. Ford, 20 Summit Ave., having plans prepared by F. DeGrange, 28 Ocean Ave., New London, 2 story, 60 x 100 ft., rein.-con. repair and service garage. $50,000.

N. J., Washington — Sub-Station — New Jersey Power & Light Co., 33 North Union St., Lambertville, plans electric substation here. $50,000.

Md., Asbestos—Manufacturing Plant—Congoleum Co., Asbestos, having plans prepared 3 story, brick and steel, plain foundation. $800,000. Private plans.

Md., Canton (Baltimore P. O.)—Plant—The Gold Dust Corp., 239 West 30th St., New York City, plans plant, here. $1,000,000. G. K. Morrow, pres.

O., Cleveland—Factory—J. Bassichis & Son, Society for Savings Bldg., plans 2 story, 40 x 100 ft., brick and steel, East 11th St., and Hamilton Ave., $40,000. Private plans.

O., Lorain — Shop, etc. — Amer. Ship Building Co., W. H. Gerhauser, vice pres., foot of West 54th St., Cleveland, had plans prepared 1 story, 68 x 100 ft. tin shop, 40 x 83 ft. round house, 40 x 100 ft., joggler shop, 136 x 245 ft. mould loft, and 1 story, 50 x 50 ft. yard office. $150,000. Private plans.

Mich., Detroit — Plant — Detroit Times, 313 Bagley Ave., having plans prepared by A. Kahn, 1000 Marquette Bldg., 3 story and basement, 90 x 200 ft., rein.-con., brick, stone and steel, plain foundation, Park Blvd.

Ill., Chicago — Boiler House, etc. — St. Scholastica Academy, 7430 Ridge Blvd., having plans prepared by E. Brielmaier & Sons, 432 Bway., Milwaukee, Wis., 2 story, 40 x 100 ft., laundry and boiler house, brick and concrete, plain foundation. $50,000.

Wis., Manitowoc—Laundry and Boiler House—Holy Family Hospital, Sisters of Christian Charity, having plans prepared by E. Brielmaier & Sons, 432 Bway., Milwaukee, 2 story and basement, 45 x 100 ft. brick and concrete, plain foundation. $50,000.

Wis., Milwaukee — Feed Mill — C. A. Krause Co., 37th Ave. and Burnham St., plans rebuilding rein.-con. feed mill, Burnham St., recently destroyed by fire. $1,000,000, including equipment and machinery. Engineer and architect not selected.

Wis., Plymouth—Cold Storage Plant—Plymouth Refrigerating Co., E. Larsen, pres., having plans prepared by E. A. Juul, Security Bank Bldg., Sheboygan, 10 story, 56 x 60 ft., brick and concrete addition, plain foundation. $100,000.

Tex., Ft. Worth—Factory—Simon Hubig Co., 331 South Lake St., plans brick plant. $40,000.

Tex., Houston — Factory — Sakowitz Clothing Co., Main and Preston Sts., plans remodeling and repairing 8 story and basement, 100 x 122 ft., rein.-con. and brick, concrete pile foundation, recently destroyed by fire.

Tex., Houston — Plant — Texas Barrell Wks., Nance St., plans rein.-con. plant. $50,000. Engineer and architect not announced.

Tex., McAllen—Boiler and Engine House—See "Buildings—Commercial."

Tex., Texon—Plant—Big Lake Oil Co., Pittsburgh, Pa., making plans casing head gas plant, here. $250,000. Private plans.

Calif., Bakersfield—Plant—Edison Citrus Assn., c/o A. Taylor, 6777 Hollywood Blvd., Los Angeles, had palns prepared 1 story and basement, 60 x 100 ft., tile or timber packing plant. $40,000. Private plans.

Calif., Los Angeles — Plant — L. Cruckshank, atty., representing owner, Los Angeles Trust and Savings Bldg., plans cement plant in East Los Angeles Dist. Engineer and architect not selected.

Calif., Santa Ana — Factory — Vendor Distributing Co., 731 Pacific Finance Bldg., Los Angeles, plans approximately 3 story, 60 x 125 ft., rein.-con. $160,000. Engineer and architect not selected.

Ont., Acton — Plant — Beardmore Tanning Co., plans to rebuild tannery recently destroyed by fire. $150,000.

BIDS DESIRED

Mass., Everett (Boston P. O.)—Factory—Mystic Iron Wks., 1 Federal St., Boston, taking bids structural work for factory buildings contract for foundations awarded. Total $5,000,000. Fine & Bassett, Chicago, Ill., engrs.

Pa., Phila.—Power house—See "Buildings—Commercial."

Wis., Algoma — Factory — Swaboda Church Furniture Co., taking bids 2 story, 50 x 120 ft., brick and timber, plain foundation. To exceed $40,000. Private plans.

Wis., Milwaukee — Dairy — Herbst & Knenzli, archts., 130 Grand Ave., taking bids 1 story and basement, 120 x 122 ft., brick and concrete, plain foundation, 30th St., for J. H. Lambrecht, 2601 North Ave. $60,000.

Calif., San Francisco—Machine Shop—See "Unclassified."

CONTRACTS AWARDED

Me., Sanford—Garage—Sanford Garage Co., will build 2 story 40x100 ft., repair and service garage by day labor. $100,000. Private plans.

Mass., Quincy (Boston P. O.)—Bakery—Guay's system Bakeries, Inc., brick, palin foundation, Hancock St., to S. C. Jones, Quincy. Archts. est. $40,000.

Mass., Worcester — Mills — Youngstown Sheet & Tube Co., 2 sheet and bar mills, to Morgan Constr. Co., 15 Belmont St. Archts. est. to exceed $40,000.

R. I., Ashton—Plant—Rhode Island Goddard Bros., 1 story and basement, brick and timber addition to combing plant, plain foundation, to O. D. Purrington, Providence. Archts. est. $40,000.

R. I., Westerly—Factory—Bradford Dyeing Assn., 1 story, brick and steel, to R. A. Sherman & Sons. Archts. est. $900,000. Noted Aug. 28.

Conn., Hartford — Plant — Farmington Ave. Cleaning & Dyeing Co., 918 Farmington Ave., 1 story and basement, 50x85 ft., brick, plain foundation, Farmington Ave., to L. Schwinken, 35 Earl St. archts. est. $40,000.

N. Y., Kings Park—Power House—State Hospital Comn., Albany, general contract enlarging power house at Kings Park State Hospital, here, from McHarg-Barton Co., 328 Bway., New York City, $173,400; heating, from W. B. Armstrong Co., 3 Fulton St., $312,519.

Pa., Phila.—Plant—A. S. Tourison, 7014 Boyer St., 3 story and basement, 50 x 62 ft., brick and steel, plain foundation, Male and Ramstead Sts., to R. E. Lamb Co., 843 North 19th St. Archts. est. $50,000.

O., Cleveland—Factory—S. Fix's Sons, 1826 Columbus Rd., 1 story, 53x70 ft., brick, 1826 Columbus Rd., to D. Lindhorst Constr. Co., 1425 Grace Ave., Lakewood. Archts. est. $40,000.

O., Cleveland—Mill—Natl. Woolen Co., 3131 West 33rd St., 2 story and basement, 75 x 130 ft., brick and steel addition, West 32nd St., to H. G. Slatmyer & Son Constr. Co., 203 Lakeside Ave. N. W. Archts. est. $45,000.

Mich., Owosso—Factory—Walker Candy Co., 3 story and part basement, 85 x 405 ft., brick, steel and tile, plain foundation, to J. J. Olsen & Sons, Owosso. Archts. est. $200,000.

Ill., East St. Louis—Laundry—Model Laundry Co., 917 St. Clair Ave., 1 story and basement, 120 x 195 ft., rein.-con. and brick laundry, State St., to E. N. Kiefer, 414 North 31st St. Archts. est. $50,000.

Wis., Appleton — Mill—Seamless Steel Tube Co., Spencer and Story Sts., 1 story, 60x150 ft., brick and steel, plain foundation, to Appleton Constr. Co., I. O. O. F. Bldg. Archts. est. $50,000.

Wis., Manitowoc—Cold Storage—Northern Wisconsin Produce Co., South 6th and Quay Sts., 2 and 3 story and basement, 148 x 150 ft., brick and timber, plain foundation, to Schuette Constr. Co., 826 South 8th St. Archts. est. $65,000. Noted Aug. 21.

Wis., Milwaukee—Foundry—G. J. Meyer Mfg. Co., 576 Clinton St., 1-story, 50 x 60 ft. brass foundry, brick and timber, plain foundation, to C. B. Danielson, 185 35th St., Engrs. Est. $40,000.

Wis., Milwaukee — Factory — Milwaukee Macaroni Co., 182 Huron St., 4 story and basement, 168 x 196 ft., brick and timber, plain foundation, North Pierce St., to Bentley Bros., 808 South Pierce St. Archts. est. $160,000.

Wis., Milwaukee — Factory—Tharinger Macaroni Co., 1466 Holton St., 2 story and basement, 40x60 ft., brick and timber factory addition plain foundation, Holton St., to S. Czaplenski & Son, 878 2nd Ave. Archts. est. $40,000.

Wis., Milwaukee—Warehouse and Cold Storage—Fleischmann Co., 701 Washington St., New York City, N. Y., and 168 Mason St., Milwaukee, 1 story and basement, 50 x 125 ft., brick and timber, plain foundation, 12th St., here, to Universal Constr. Co., 915 Chestnut St., Milwaukee. Archts. est. $40,000. Noted May 29.

Wis., North Milwaukee—Tannery—Gates Eng. Co., engrs., 418 Jackson St., Milwaukee, 2 story, 112 x 180 ft., brick and timber, plain foundation, here, to Lupinski & Wolff, 82 Wisconsin St., for J. Greenbaum Tanning Co., Hampton Ave. Noted Aug. 28.

Wis., Oconto—Machine Shop—Oconto Co. Highway Comn., E. McAllister, comr., will build 42 x 60 ft., brick, plain foundation, by day labor. $40,000. Private plans.

Wis., Poynette—Cannery—Poynette Canning Co., E. Hinkson, pres., will build 3 story, 50 x 144 ft. main building, timber, 30 x 40 ft. brick engine room, 60 x 70 ft., hollow tile storage building and hollow tile machinery room, by day labor. $100,000. Private plans.

Wis., Rhinelander — Factory — Daniels Mfg. Co., will build 1 story, 60x200 ft., rein.-con., brick and steel, plain foundation, by day labor c/o L. A. DuGuere, engr., Wisconsin Rapids. $40,000.

Mo., Sedalia—Plant—Standard Oil Co., 5301 East 9th St., Kansas City, will build 1 and 2 story plant, here, to replace present structure in West Sedalia, by day labor. $100,000. Private plans.

Tex., Ranger — Carbon Plant — Phillips Petroleum Co., Bartlesville, Okla., will build 2 story, 160 x 280 ft. carbon plant, rein.-con. and steel, by day labor. $250,000. Private plans.

Calif., Oakland—Substation—Great Western Power Co., 530 Bush St., San Francisco, furnishing and erecting 180 tons structural steel for substation at 20th St. and Telegraph Ave., here, to Golden Gate Iron Wks., 1541 Howard St., San Francisco.

Calif., San Francisco—Compressor House—Pacific Gas and Electric Co., 445 Sutter St., furnishing and erecting 160 tons structural steel for compressor house at 23rd and Illinois Sts., to Golden Gate Iron Wks., 1541 Howard St.

Buildings—Commercial

PROPOSED WORK

Me., Dover—Foxcroft—City plans high school, $150,000. W. J. Mayo, mayor and chn., of Building Comm. Engineer and architect not selected.

N. H., Exeter — Dormitories — Phillips Exeter Academy, having preliminary plans prepared for two dormitories, 3 and 4 story, brick and limestone, $150,000. Cram & Ferguson, 248 Boylston St., Boston, Mass., archts.

Vt., Rutland—High School—G. N. Harmon having plans prepared by Tooker & Marsh, 101 Park Ave., New York City, 3 story and basement, 200 x 200 ft., rein.-con. and brick. $500,000.

Mass., Arlington—Store and Office—C. A. Shionis, Coolidge Corner, Brookline, taking bids 2 story and basement, 85x90 ft., rein.-con., brick, steel, stone and marble, plain foundation, Bway. and Medford Sts., here. $150,000. S. F. Sutherland & Co., 77 Summer St., Boston, archts.

Mass., Boston—Store and Office—G. J. Wilson, 209 Washington St., having plans prepared by B. S. Brown, 88 Broad St., 7 story and basement, 35 x 90 ft., rein.-con., brick and cast stone, 7-9 Newbury St. $150,000.

Mass., Chicopee — Church — Trinity Church, Chicopee Falls, M. Mott, pastor, having sketches made by C. C. Coveney, 184 Boylston St., Boston, 1 story, 40 x 100 ft., brick and stucco. $150,000.

Mass., Everett (Boston P. O.)—Home—New England Home for Aged & Infirm, A. B. Meacham, pres., plans new home. $150,000. Engineer and architect not selected.

Mass., Jamaica Plain (Boston P. O.)—Chapel and Crematory — Forest Hills Crematory having sketches made by Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, chapel and crematory.

Mass., North Reading—Inn—De Pesa & Lavaggi, Wayland, having revised plans prepared by F. A. Norcross, 46 Cornhill St., Boston, Palais Royal Motor Inn 2 story, 85x200 ft., brick here. $150,000. Former bids rejected. Noted July 10.

R. I., Providence — Temple — Masonic Temple Building Com., Masonic Temple Bldg., Francis St., plans temple, Francis St. $2,500,000. Engineer and architect not announced.

Conn., Norwalk—High School—Bd. Educ. plans new high school in 2nd Dist. $200,000.

Conn., Stamford — Business — Fraternal Order of Eagles, Aerie 579, c/o W. C. B. Hickey, 109 Atlantic St., plans business building, Main St. $150,000.

Conn., West Hartford (Hartford P. O.)—School—School Dept., had revised plans prepared by R. F. Barker, 43 Farmington Ave., and taking new bids, 2 story and basement, 65x110 ft., stone addition, plain foundation, Seymour Ave. $150,000. Noted Aug. 14.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., brick, steel and stone, Albany Ave., here. $450,000.

N. Y., Brooklyn—Community—Glory of Israel Hebrew Institute, c/o E. M. Adelsohn, archt., 1778 Pitkin Ave., having plans prepared 5 story, 80 x 100 ft., brick, steel and stone, plain foundation, Pennsylvania and Blake Aves. $200,000.

N. Y., Long Island City—School—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, brick, steel and stone addition to P. S. 81, Cypress Ave., here. $350,000.

N. Y., New York—Apartment—N. J. Hess, c/o Rouse & Goldstein, archts., 512 5th Ave., having plans prepared brick, steel and stone, plain foundation, East 65th St. $800,000.

N. Y., New York—Garage and Plant—Coca Cola Bottling Co., 138 East 54th St., having plans prepared by Euel & Euel, archts. and engrs., 154 Nassau St., 3 story, 60 x 200 ft., brick, steel and rein.-con., plain foundation, East 46th St. $200,000.

N. Y., New York—School—Church of St. Simon Stock, c/o E. F. Fanning, archt. and engr., 522 5th Ave., had plans prepared 3 story, 110x118 ft., brick, steel and stone, plain foundation, Valentine Ave. and 182nd St. $200,000.

N. J., Asbury Park—High School—Bd. Educ. soon takes new bids general contract high school, Sunset Ave. and Drury Lane. Former contract rescinded. Noted July 3.

Pa., Phila.—Academy—Manheim Riding Academy, c/o J. F. Foley, prop., 5434 Germanton Ave., having preliminary plans prepared by W. F. B. Koelle, Otis Bldg., 2 story, limestone and steel, Rittenhouse and Wissahicken Aves.

Pa., Pittsburgh — Hospital — Childrens Hospital Assn., having plans prepared by E. P. Mellon, archt., 350 Madison Ave., New York City, and York & Sawyer, associated archts., 100 East 42nd St., New York City, 11 story and basement, brick and stone, Forbes St. $1,000,000.

Pa., Pittsburgh—Lodge—B. P. O. E. 339, North Side, having plans prepared by E. B. Lee, Chamber of Commerce Bldg., 3 story and basement, 42 x 110 ft., brick and tile, Cedar Ave. $150,000.

Pa., Pittsburgh — Laboratory — Natl. Tube Co., Frick Bldg., having plans prepared by E. Stotz, Monongahela Bldg., 2 story and basement, 53 x 100 ft., brick and tile, Forbes St. near Moreland Sts. $150,000.

Pa., Williamsport — Election Nov. 4, $800,000 bonds for Junior high school, addition to Curtin school, 8 room addition to Lincoln building, and erecting elementary school.

Md., Salisbury—Home—Home for the Aged, Salisbury, 2 story and basement, brick and plain foundation, to W. E. Booth & Sons, 323 East William St., $150,000. Noted Aug. 21.

N. C., Hendersonville — Hotel — M. A. Brown and associates, plan 90 room hotel. $300,000.

Fla., Miami—Office—J. K. Dorn, 230-11th St., plans 14 story, 100x150 ft., 221-4th St., $600,000.

Miss., Pass Christian—Hotel—S. L. McGlathery, Miramar Hotel, having plans prepared by W. C. Keenan, Liverpool, London & Globe Bldg., Common and Carondelet Sts., New Orleans, La., 5 story, 55x175 ft. rein.-con. $500,000.

La., Alexandria—High School—Rapides Parish School Bd. having plans prepared by Favrot & Livaudais, Hibernia Bank Bldg., New Orleans, addition to Bolton High School. $800,000.

O., Bowling Green—Library and Recitation—Bd. Trustees Ohio State Normal School, having plans prepared by H. H. Briggs Columbus, 3 story and basement, 75x150 ft., rein.-con. and brick, $275,000.

O., Canton—High Schools—City plans Lincoln High School, 3 story and basement, 6th St. S. W., $500,000; also 2 story and basement, in Fairmont Park, $150,000-$200,000.

O., Cleveland — Apartment — M. Wolk, 10718 Earle Ave., had plans prepared 3 story and basement, 40x165 ft., brick, 2808 Mayfield Rd. $150,000. Private plans.

O., Cleveland—Apartment—A. Kramer, 3939 St. Clair Ave., had plans prepared by A. F. Janowitz, 811 Prospect Ave., 3 story and basement, 80 x 145 ft., brick and wood, Belmer and Superior Rds., $150,000.

O., Cleveland—School—Bd. Educ., F. G. Hogen, dir., East 6th St. and Rockwood Ave., plans 2 story and basement, brick, steel and concrete, West 130th St. and Lorain Ave. W. R. McCormick, 6th-St. Clair Bldg., archt. $319,000.

O., Cleveland—Commercial and Office—Huron-Ninth Co., c/o J. J. Klein, Engineers Bldg., plans 6 story and basement, 67 x 136 ft., brick, steel and concrete, East 9th St. and Huron Rd. $450,000.

O., Cleveland—Commercial and Apartment—Urban Oonstr. Co., c/o I. Berkowitz, 1664 Linn Dr., had plans prepared by A. F. Janowitz, 811 Prospect Ave., 3 story and basement, 50 x 120 ft., brick and timber, 15240 St. Clair Ave. $150,000.

O., Cleveland—School—Bd. Educ., F. G. Hogen, dir., plans 2 story and basement, brick, steel and concrete, West 54th St. and Ira Ave. $656,000. W. R. McCornack, East 6th and St. Clair Ave., archt.

O., Cleveland Heights (Warrensville P. O.)—Apartment—C. A. Ford, pres. Ford Importing Co., 1104 Prospect Ave., Cleveland, had plans prepared by S. H. White, Schofield Bldg., 2 story and basement, 101x153 ft., brick, Overlook Rd., here. $200,000.

O., Cleveland Heights (Warrensville P. O.)—Apartment Hotel—Kent, Hale, Smith & H. E. Steffens, 4900 Euclid Ave., having plans prepared by J. F. Steffens, archt., Fidelity Mortgage Bldg., and H. E. Hughes, consult. archt., Union Mortgage Bldg., 6 story and basement brick. Cedar Rd., and Fairmont Blvd., $1,000,000.

O., Madison—Hotel and Dance Hall—Madison Impvt. Co. c/o A. Sharowsky, 1045 Marlowe Ave., Lakewood, having plans prepared, 3 and 1 story, 120x147 ft. hotel, and 60x90 ft. dance hall brick, steel and concrete. $300,000.

O., Youngstown — Schools — Bd. Educ. plans 2 story and basement high school, East High St., $600,000; Junior high school, west-side, $500,000; Junior high school, northside, $500,000, Junior high school, southside; Stambaugh School addition, $175,000; Cleveland School addition, $175,000; school in district south of Princeton, $200,000. Trade school northwest section, $300,000; Pleasant Grove School addition, $150,000. W. Rowney, chn. Buildings & Sites Com.

Kan., Kansas City—School—Bd. Educ. having preliminary plans prepared by Rose & Peterson, 434 Brotherhood Bldg., for school addition. $200,000.

Kan., Topeka — Church — Westminister Presbyterian Congregation, 1252 College Ave., takes bids about Sept. 12, 2 story and basement, 100 x 130 ft., rein.-con., brick, stone and tile. Noted Aug. 21.

Neb., Kearney—School—Election Sept. 18, to vote $250,000 bonds for Junior High School, 2 story and basement, rein.-con., brick and stone, and addition to other buildings. Davis & Wilson, Security Bldg., Lincoln, archts. Noted Feb. 21.

Mo., Springfield—Schools—Election Sept. 23, $150,000 bonds completing Junior high school, and repairs, etc. to other schools.

Tex., Beaumont—Jail—Jefferson Co., B. B. Johnson, co. judge, had plans prepared by Livesay & Wiedman, Blanchette Bldg., 3 story and basement, 66 x 91 ft., brick and concrete. $150,000.

Tex., El Paso—Hotel—R. Orndorff, Orndorff Hotel, having plans prepared 10 story and basement, 120 x 130 ft., brick and stone, plain foundation, $750,000. Trost & Trost, Republics Bldg., engrs. Noted Apr. 24.

Tex., Houston—Office and Stores—Settegast Estate, Scanlon Bldg., plans 8 story and basement. $800,000. Engineer and architect not announced.

Tex., Houston — Passenger Station — Harris Co. Navigation Dist., Court House, having plans prepared, 2 story and 6 story tower, 92 x 111 ft., concrete, brick and terra cotta at Turning Basin. $150,000. E. A. Tucker, Court House, engr.

Tex., McAllen — Administration, etc. — Baptist Church, J. M. Carroll, pastor, 209 Stratford Court, San Antonio, plans 2 and 3 story and basements, administration building, dormitory and college rein.-con., brick and stone, plain foundation, here. $300,000. H. P. Smith, Natl. Bank Commerce, San Antonio, archt. Noted May 22.

Okla., Holdenville — Hospital — Defeated $160,000 bonds for hospital. Project dropped. Noted Aug. 7.

Okla., McAlester — Temple — Masonic Lodge, 2nd and Adams Sts., having plans prepared 3 story and basement 100 x 180 ft., rein.-con., brick and steel plain foundation, Choctaw St. $200,000. Engineer and architect not selected.

Okla., Oklahoma City—Garage—Security Natl. Bank, 109 North Bway., plans 8 story and basement, 140 x 150 ft., rein.-con., brick and steel. $150,000.

Okla., Stillwater—Hotel—H. M. Donnelly, Kaw City, making preliminary plans 3 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, Husband St., here. $150,000. Engineer and architect not selected.

Okla., Wewoka—High School—Bd. Educ. having preliminary plans prepared by Monnott & Reid, Empire Bldg., Oklahoma City, 3 story, rein.-con., brick and stone. $150,000.

Calif., Alhambra — Church — First Methodist Episcopal Church, having plans prepared by C. F. Skilling, Bradbury Bldg., Los Angeles, brick or concrete church. To exceed $150,000. Noted Aug. 7.

Calif., Auburn — Hospital — Placer Co. plans election $150,000 bonds or more for hospital.

Calif., Azusa—Hotel and Store—J. W. Coffey, c/o H. Ryan, archt., Byrne Bldg., Los Angeles, having plans prepared 4 story and basement, 75 x 150 ft., brick and concrete.

Calif., Berkeley—Lodge—Berkeley Odd Fellows Lodge 170, plans fireproof lodge Fulton St. $150,000. Engineer and architect not selected.

Calif., Hollywood—Theatre and Store—C. E. Taberman, c/o G. A. Lansburg, archt., 140 Montgomery St., San Francisco, having preliminary plant prepared 6 story and basement, fireproof, Hollywood Dr., here. $700,000.

Calif., Los Angeles—Theatre—Orpheum Theatre Co., 147 O'Farrell St., San Fran-

Buildings—Commercial (Continued)

cisco, having preliminary plans prepared by G. A. Lansburg, 140 Montgomery St., San Francisco. 12 story, probably rein.-con. theatre. $1,250,000.

Calif., Los Angeles—Garage—P. Whiting, c/o L. C. Maurer, archt., 320 North Rampert Blvd., having plans prepared 4 story and basement, 120 x 155 ft., rein.-con., Figueroa St. $150,000 or more.

Calif., Los Angeles — Hotel — E. Davy, c/o Edelman & Barnett, archts., H. W. Hellman Bldg., having plans prepared 3 story and part basement, 50 x 150 ft., brick, Wright St.

Calif., Los Angeles — Memorial — Park Development Co., c/o A. C. Zimmerman, archt., H. W. Hellman Bldg., having plans prepared 1 story, 30 x 50 ft., rein.-con., Roosevelt Memorial Park. $150,000.

Calif., Los Angeles—High School—City having plans prepared by A. C. Martin, Higgins Bldg., Senior High School, 3 story, approximately 75x250 ft., rein.-con. and brick, Walnut St. To exceed $250,000.

Calif., Los Angeles—Hotel—F. W. Braun, Braun Bldg., plans approximately 12 story and basement, rein.-con. hotel with Class A garage building for tenants, Benton and Wilshire Blvds. To exceed $1,500,000.

Calif., Oakland — Theatre — L. Kakiski, c/o Reid Bros., archts., 105 Montgomery St., San Francisco, having plan prepared 2 story, class A fireproof, Lakeside and Walker Aves. $175,000.

Calif., Oakland—Apartment—G. Jamieson, c/o M. I. Diggs, archt., 19th and Telegram Ave., having plans prepared 12 story and basement, Class A, rein.-con., Lake Merritt. $750,000 or more.

Calif., Pasadena — Mausoleum — Grand View Cemetery, c/o C. L. Jay, archt., Braley Bldg., having plans prepared rein.-con. To exceed $150,000.

Calif., Redwood City—Hotel, etc.—Syndicate, represented by C. E. Pringle, having plans prepared by Weeks & Day, 315 Montgomery St., San Francisco, 3 story, rein.-con. hotel and 18 hole golf course, Woodside Rd. To exceed $250,000.

Calif., Salinas — Store — Farmers Mercantile Assn., had plans prepared by Wyckoff & White, Growers Bldg., San Jose, 2 or 3 story and basement, rein.-con. department store. $150,000.

Calif., San Bernardino—Club, etc.—Biltmore Sporting Club, c/o Monaco & Bordeaux, archts., Bank of Italy Bldg., Los Angeles, having preliminary plans prepared approximately 150 x 300 ft. club building, log construction, also 50 log cabins. $350,000.

Calif., San Francisco—Apartment—M. Little, 535 Lincoln Way, having plans prepared by E. E. Young, 2002 California St., 5 story and basement, fireproof addition, Taylor and O'Farrell Sts. $150,000.

Calif., San Francisco—School—Hamlin School for Girls, c/o G. A. Lansburg, archt., 140 Montgomery St., having plans prepared 3 story and basement, brick, Bway. near Buchanan St. $175,000.

Calif., San Francisco — Apartment — Strand and Strand, 163 Parnassus Ave., having plans prepared by Baumann and Jose, 251 Kearny St., 4 story and basement, reinforced concrete, Leavenworth St. $150,000.

Calif., San Francisco—Apartment—The 999 California, Inc., c/o J. C. Shipp Co., interested, 486 California St., plans fireproof apartment, Nason and California Sts. To exceed $150,000. Engineer and architect not selected.

Calif., San Francisco—Art Gallery—San Francisco Art Assn., 999 California St., having preliminary plans prepared fireproof art gallery, Jones and Chestnut Sts. $500,000. Engineer and architect not selected.

Que., Longueuil—Hospital—Plans constructing hospital. $150,000.

Que., Three Rivers—Hotel—A. Gonya, Rumford, Me., and A. Spenard, Three Rivers, plans hotel on Bonaventure and Notre Dame Aves. $200,000. Engineer and architect not selected.

Ont., St. Thomas — School — Bd. Educ. having plans prepared by D. R. Franklin, 587½ Yonge St., Toronto, 3 story and basement, rein.-con., brick and steel, plain foundation. $200,000.

BIDS DESIRED

Mass., Medford—High School—Sept. 18, by Schoolhouse comn., C. H. Lowell chn., 2 story and basement, 85x223 ft., with 42x63 ft., wing, rein.-con., brick and steel, Auburn St., Ward 6, $375,000; heating and ventilating system, $30,000 to $40,000; plumbing system, $20,000 to $25,000. M. A. Dyer, 1 Beacon St., Boston, archt.

Mass., Springfield—School—School Bd. taking bids 3 story and basement, 70 x 210 ft. with 45 x 70 ft. wing, rein.-con., brick and steel, Hancock St. $350,000. M. W. Maloney, 23 Pearl St., archt. Noted July 10.

R. I., Quidnick (Mail Anthony)—School—Sept. 16, by Coventry Twp. School Bd., brick school, plain foundation, $150,000. W. R. Walker & Son, 49 Weybosset St., Providence, archt.

Conn., Bridgeport — Garage and Showroom — D. W. Flint, Inc., Allens Ave., Providence, R. I., taking bids 2 story and basement, 130 x 160 ft., rein.-con., brick and steel, plain foundation, West and State Sts. $150,000. Fletcher-Thompson Inc., 542 Fairfield Ave., archts. and engrs. Noted June 19.

Conn., Danielson—School—Sept. 25, by St. James Church, 15 Franklin St., 2 story and basement, brick, plain foundation, $200,000. H. F. Ludorf, 122 Main St., New Britain, archt. Noted Aug. 28.

Conn., Hartford—Office—P. M. D'Esopo, 510 Front St., taking bids 6 story and basement, brick and steel, plain foundation, Main St. $400,000. D. A. Guerriero, 1029 Main St., archt. Noted Aug. 21.

Conn., Hartford — Library — Hartford Theological Seminary, Broad St., taking bids, 2 and 3 story and basement, 62 x 115 ft. with 39 x 57 ft., wing, brick, stone and granite, Gerard Ave. $250,000. Allen & Collins, 75 Newbury St., Boston, Mass., archts. Noted June 19.

Conn., Hartford—Office and Store—U. S. Investment & Realty Co., W. Garde, pres., 18 Asylum St., taking bids 4 story and basement, 40 x 40 ft., brick, plain foundation, $150,000. B. A. Sellew, 721 Main St., archt. Noted Aug. 21.

Conn., Hartford — Pedagogy — Hartford Theological Seminary, Broad St., taking bids, 2 story and basement, 71 x 88 ft., brick, stone, granite and limestone, Gerard Ave. $200,000. Allen & Collins, 75 Newbury St., Boston, Mass., archts.

Conn., New Britain — School — School Dept. taking bids 2 story and basement, brick addition to Smally School, plain foundation, Talcott St. C. C. Palmer, 85 West Main St., archt. Noted Aug. 7.

Conn., New Haven—Garage—Biever Motor Co., 1079 Chapel St., taking bids 1 story and basement, 50 x 150 ft. and 70 x 140 ft., brick and steel, plain foundation, Whalley Ave. $150,000. R. W. Foote, 185 Church St., archt.

Conn., Thompsonville — High School — Sept. 15, (extended date), by D. W. Brainard, secy. building com., c/o Enfield Lumber Co., Enfield, 2 story and basement, brick, plain foundation. $250,000. F. I. Cooper Corp., 983 Main St., Hartford, archts.

N. Y., Auburndale (Flushing P. O.) — School—Sept. 23, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 32, brick, steel and stone, plain foundation, 35th Ave. and 171st St., for Bd. Educ., 500 Park Ave., New York City. $750,000.

Pa., Elizabethtown—Memorial—Sept. 15, by E. A. Wightman, archt., Bankers Trust Bldg., Phila., 3 story and basement, 50 x 108 ft., steel, tile, granite and limestone, plain foundation, here, for Masonic Home.

Pa., Millmont—Orphanage—Sept. 30, by G. Q. Freeman, archt., Liberty Bank Bldg., Reading, 3 story and basement, 69 x 240 ft. with 58 x 83 ft. wing, brick and stone, plain foundation, for Berandine Sisters of St. Francis.

Pa., Phila.—Office—Sept. 15, by Barras Constr. Co., 366 Madison Ave., New York City, sub bids 12 story and basement, 44 x 120 ft., brick and steel, plain foundation, 18th and Chestnut Sts., here, for W. H. Webster, c/o F. E. Hahn, archt., 1112 Chestnut St. $500,000.

Pa., Phila.—Hospital—Sept. 16, by P. H. Johnson, archt., 1713 Sansom St., 2 story and basement, 44 x 59 refractory building, two 2 story and basement, 25 x 43 ft. dormitories, three 2 story and basement, 25 x 45 ft., 27 x 34 ft. and 25 x 41 ft. wings, 3 story, 42 x 126 ft. administration building, and 1 story, 40 x 66 ft. power house and laundry, Roosevelt Ave., for Penna Mystic Shrine, c/o W. F. Kendrick, 1337 Spring Garden St. $400,000.

Md., Baltimore—High Schools—Sept. 13, by Smith & May, archts., Calvert Bldg., Baltimore, 2 story, 60 x 265 ft., brick and steel, plain foundation, at Towson, $250,000, and 3 story and basement, brick and rein.-con., plain foundation, at Catonsville, $250,000, for Bd. Educ., Baltimore Co., Towson. H. Massart, 328 North Charles St., Baltimore, engr. Noted Mar. 27 under "Towson."

N. C., Raleigh—State—Sept. 26, at office W. N. Everett, secy. State, general excavation, exterior limestone and structural steel frame for Dept. of State Building, Morgan and Salisbury Sts.; Atwood & Nash, Chapel Hill, archts. and engrs.; adv. E. N.-R. Sept. 11.

La., Shreveport—Church—Sept. 16, by Roessle, Olschner & Woener, archts., Maison Blanche Bldg., New Orleans, also 218 Ardis Bldg., Shreveport, rein.-con., brick, steel and stone, for First Presbyterian Congregation. $250,000.

La., Shreveport — Sept. 18, by H. R. Howell, genl. secy. Y. M. C. A., Gliddens Lane Bldg., rein.-con., brick and stone, Travis and McNeil Sts. $335,000. C. W. King, Shreveport, archt. Noted Mar. 20.

O., Cleveland — Apartment — Cliffside Manor Co., c/o S. H. White, Schofield Bldg., taking bids 2 story and basement, brick, steel and concrete corner of Overlook and Kenilworth Rds., $200,000.

Ill., St. Charles—High School—Sept. 25, by G. E. Thompson, secy. Community High Dist. 150, and G. L. Lockhart, archt., 306 South Wabash St., Chicago, 2 story and basement, rein.-con., brick and steel, $200,000.

Wis., Kewaskum—High School—Sept. 22, by Bd. Educ. Dist. No. 5, E. C. Backhaus, clk., 2 story and basement, brick and tile, plain foundation. $150,000. R. Messmer & Bro., 221 Grand Ave., Milwaukee, archts. Noted July 30.

Wis., Milwaukee—Apartment—G. Zagel & Bro., archts., 144 Oneida St., takes bids about Sept. 15, 3 story and basement, 105 x 142 ft., brick and tile, plain foundation, Oakland and Newport Aves., for L. Goodman, 540 Mitchell St. $150,000.

Ia., Des Moines—Schools—Sept. 23, at office G. L. Garton, secy. Bd. Educ., Warren G. Harding Junior High School, Cornell and Ovid Sts., Boyd & Moore, 810 Insurance Exchange Bldg., archts. Washington Irving Junior High School, 16th and Forest Ave., Proudfoot, Bird & Rawson, 810 Hubbell Bldg., archts., and addition to Oak Park School, 6th and Madison Sts., Vorse, Kraetsch & Kraetsch, 1201 Commonwealth Bldg., archts.

Tex., Dallas—Hotel—Dallas Hotel Co., Adolphus Hotel, taking bids 22 story and basement addition to Adolphus Hotel, brick, steel and concrete, Main and Akard Sts. $750,000. A. C. Bossom, 680 5th Ave., New York City, and Thomas & Swain, Magnolia Bldg., Dallas, archts.

Tex., Waco—Church—Sept. 20, by J. R. Milam, chn. building commercial Austin Ave. Baptist Church, 3 story, 120 x 298 ft., brick, stone, terra cotta and rein.-con., Austin Ave. $200,000. R. H. Hunt & Co., 1301 Southwestern Life Bldg. Dallas, archts.

Calif., Alhambra — Apartment—R. R. Nehls & W. G. Watkins, 520 I. W. Hellman Bldg., Los Angeles, taking bids 4 story, 100x150 ft., stucco and tile, Palm Ave. $200,000. Wright & Harper, 125 West Main St., Alhambra, archts.

BIDS RECEIVED

Mass., Plymouth — Memorial—Town, 2 story, 100 x 200 ft. brick, plain foundation, from J. J. Prindiville, Framingham, $196,975; heating and ventilating system, from Powering Heat & Ventilating Co., 263 Harrison Ave., Boston, $25,300. Noted Aug. 21.

N. J., Camden—Hospital—Camden Co. Court House, Sept. 4, 2 story and basement, 50x200 ft. fireproof, from J. M. Yardley, 1730 Sansom St., Phila. Pa., $194,791. Noted Aug. 28.

N. J., Morris Plains—Hospital—State Hospital for Insane, constructing 7 new 2, 3 and 4 story buildings, general contract from C. J. Smith Constr. Co., 202 Academy St., Trenton, $1,345,300; plumbing, from Jaehnig & Peoples, 221 13th St., Newark, $109,500; electrical work, from Beaver Eng. Co., 52 Mechanics St., Newark, $40,444; heating, also sewer and water services, from E. E. Crooks, Baltimore, Md., $157,200 and $30,684 respectively.

Pa., Phila.—School—Bd. Educ., 19th St., 3 story and basement, 104 x 212 ft., rein.-con. and brick, plain foundation, 12th and Federal Sts., general contract from McCloskey Co., 1620 Thompson St., $399,449; heating, from N. Connelly, 1404 North 18th St., $46,998.

Pa., Phila.—School—Bd. Educ., 19th and Chestnut Sts., general contract, 2 story and basement, 34 x 79 ft. and 34 x 113 ft. wing addition to Lawton School, rein.-con. and brick, plain foundation, Lawndale and Hillerman Sts., from W. Langhorne Co., 10 South 18th St., $124,667; heating, from N. Connelly, 1404 North 8th St., $26,246. Noted Aug. 18

Buildings—Commercial (Continued)

Mich., Detroit—Art—Detroit Arts Comn., East Jefferson Ave., entirely finishing exterior, etc. of 2 story, art institute Woodward Ave., from Bryant & Detwiler Co., 2336 Dime Bank Bldg., Georgia Marble $1,488,100, Vermont marble $1,471,877.

Mich., Iron Mountain — School — Bd. Educ., general contract 2 story and basement, 90 x 137 ft., brick and tile, plain foundation, from Phelps-Drake Co., Iron Mountain, $100,000.

Tex., San Antonio—Church—First Baptist Church, c/o W. Rogers, chn. Building Commission, 2 story, 140 x 200 ft., rein.-con., steel and terra cotta, 4th and Taylor Sts., from L. T. Wright & Co., 312 City Natl. Bank Bldg., $158,981. Archts. est. $150,000.

CONTRACTS AWARDED

Mass., Boston—Apartment—E. N. Wyner, 18 Tremont St., 10 story and basement, 46x100 ft., brick, steel and limestone plain foundation, Beacon St., to Chase & Gilbert, 220 Devonshire St. Archts. est. $350,000. Noted Aug. 21.

Mass., Boston — Apartment — Goggin & Ripley, Inc., 350 Madison Ave., New York City, 5 story and basement, rein.-con. brick and limestone, 114-116 Charles St., to Chase & Gilbert, 220 Devonshire St. Archts. set. $150,000.

Mass., Boston—Warehouse and Business—S. S. Pierce Co., 69 Tremont St., 6 story and basement, 110 x 375 ft., rein.-con., Brookline and Burlington Aves., to M. C. Tuttle Co., 23 Chestnut Terrace.

Mass., Boston—Warehouse—Boston Storage Warehouse Co., Westland Ave., 7 story and basement, 70 x 70 ft., with 60 x 60 ft. wing, rein.-con. and brick, Westland and Huntington Aves., to W. A. Evatt, 200 Devonshire St. Archts. est. $175,000.

Mass., Brighton (Boston P. O.)—Apartment—Realty Operators, Inc., c/o G. N. Jacobs, archts., 4 Park St., will build 3 story and basement, 66x171 ft., brick and stone, by day labor. $200,000. Noted Aug. 7.

Mass., Dorchester (Boston P. O.)—School—Schoolhouse Dept., City Hall, 2 story and basement, 160 x 245 ft., rein.-con. and brick, Charles St., Mather Dist., to Alco Constr. Co., 43 Tremont St., Boston, $469,-500. Noted Aug. 7.

Mass., Fall River—High School—School Bd., Junior high school, 3 story and basement, 100 x 200 ft., rein.-con., brick and limestone, President Ave., to Greaney & Sherry, 57 North Main St., $571,000; heating, to M. T. Mitchell, Fall River, $60,046; plumbing, to Lagasse Bros., 23 9th St., $31,000. Noted Sept. 4.

Mass., Lawrence — Administration and Dormitory—Comrs., Essex Co., 3 story and basement, 50x120 ft., rein.-con. and brick, to W. J. Delaney, 116 Newton St. Archts. est. $150,000. Noted Aug. 21.

Mass., Leominster—Store and Apartment—R. Foster, c/o H. M. Francis & Sons, archts. 804 Main St., Fitchburg, 3 story and basement, 70x110 ft., brick, Main St., to W. J. Handley Co., 280 Main St. Fitchburg. Archts. est. $150,000. Noted July 24.

Mass., Lexington—High School—School Comn., Senior high school, and alterations to Junior high school, brick and stone, to C. S. Cunningham & Sons, 80 Boylston St., Boston. Archts. est. to exceed $150,000. Noted Aug. 14.

R. I., Nasonville—Rectory, etc.—French Catholic Parish, c/o W. F. Fontaine, archt., Woonsocket, 2 story, 44 x 50 ft. rectory, 2 story, 33 x 42 ft. school, and 2 story, 38 x 46 ft. home, brick, plain foundation, to Bouvier-Brien Constr. Co., Woonsocket. Archts. est. $150,000.

Conn., Hartford—Home—Salvation Army Industrial Home, 113 Spruce St., 4 story and basement, 56 x 65 ft., brick, plain foundation, Edwards St., to I. Hopper & Sons, 15 East 49th St., New York City. Archts. est. $150,000. Noted Dec. 13.

Conn., Litchfield — Dormitories, etc. — Junior Republic Home, 5 brick units, plain foundations, to R. G. Bent Co., 93 Edwards St., Hartford. Archts. est. to exceed $150,-000. Noted Aug. 21.

Conn., West Hartford (Hartford P. O.)—Fire Station—Fire Dept., 3 story and basement, 50 x 60 ft., brick, plain foundation, Brace Rd., to McIntyre & Ahern, 50 John St., Hartford. Noted Aug. 21.

N. Y., Auburn—Hospital—City Hospital altering present 4 buildings, and constructing three new 4 story buildings, Lansing St., to Fred T. Ley Co. Inc., 230 Boyleston St., Boston, Mass. Archts. est $500,000.

N. Y., Newburg—College—St. Josephs College, 2 and 3 story, 126 x 246 ft., brick and stone, to B. M. Higginson, Inc., 64 2nd St. Archts. est. to exceed $150,000.

Pa., Phila. — Apartment — Rittenhouse Square Phila. Corp., c/o E. D. Thayer, Penfield Bldg., 18 story and basement, 62 x 95 ft., brick and steel, plain foundation, 19th St. and Rittenhouse Sq., to Longacre Eng. & Constr. Co., 345 Madison Ave., New York City. Archts. est. $900,000.

Del., Wilmington — School — Bd. Pub. Educ., City Hall, George Gray School, to North East Constr. Co., 631 North Eden St., Baltimore, Md., $301,530. Noted July 31.

Md., Towson Heights (Baltimore P. O.)—Office—Black & Decker Mfg. Co., 1 story, 52 x 185 ft., brick and plain foundation, to W. H. Sands, East Pennsylvania Ave., Towson, $150,000. Noted Aug. 21.

N. C., Fayetteville—Court House—Cumberland Co. 3 story and basement, to W. P. Rose, Goldsboro, $376,134. Noted Aug. 21.

O., Cleveland—School and Parish House—Annunciation of Blessed Virgin Mary, R. V. Hyland, pastor, 1007 Superior Ave., 2 story and basement, 61x168 ft. and 35x48 ft., brick, steel and concrete, West 130th St. and Bennington Ave., to Shirmer-O'Hara Co., 1720 Euclid Ave. Archts. est. $150,000. Noted Aug. 28.

O., Cleveland—Apartment—A. G. Millstein, 255 The Arcade, 3 story and basement, 47 x 159 ft., brick, West 117th St., to R. A. Boccia, Stop 31, Lorain Rd., North Olmstead. Archts. est. $150,000.

O., Cleveland—Commercial and Apartment—Ezra Brudno, Leader-News Bldg., 2 story and basement, 61 x 151 ft., brick, steel and wood, Detroit Ave., and Webb Rd., to H. B. Lessovitz, 2449 East 126th St. Archts. est. $175,000.

O., Columbus—Hotel—Neil House Co., 35 South Wall St., 12 story and basement, 188x210 ft., rein.-con. and brick, South High St., to Wells Constr. Co., 35 South Wall St., about $4,000,000.

O., Youngstown—School—St. Brenden's School, 2 story and basement, brick and limestone, Oakwood Ave., to J. Buchheit & Sons, 381 Catalina Ave., $175,000.

Mich., Detroit—Office—U. S. Mortgage Bond Co., Majestic Bldg., general contract 9 story and basement, 60x80 ft., rein.-con., brick and steel, plain foundation Congress and Shelby Sts. to M. Barry Co., 2631 Woodward Ave. Archts. est. $1,000,-000. Noted June 12.

Mich., Echo City (Royal Oak P. O.)—School—Bd. Educ., 2 story and basement, 13 rooms, rein.-con., brick and steel, plain foundation, Pierce St., to A. W. Kutsche, 333 State St., Detroit, about $180,000.

Ill., Granite City—Y. M. C. A., general contract 3 story and basement, to J. W. Scott, Granite City.

Wis., Milwaukee — Hospital — Leiser & Holst, archts., 105 Wells St., 4 story and basement, 44 x 162 ft., brick and concrete addition, plain foundation, to Raulf Co., 428 Grand Ave., for Deaconess Hospital, 1815 Grand Ave. Archts. est. $150,000. Noted July 31.

Ia., Des Moines—School—Bd. Educ., general contract 2 story and basement, rein.-con., brick and stone, to Fleisher Eng. & Constr. Co., Builders Exch., Minneapolis, Minn., $216,280; heating and plumbing, to Amer. Heating & Plumbing Co., 324 Equitable Bldg., $31,627. Noted Sept. 4.

Minn., Minneapolis—Apartments—Owner, c/o A. F. Rose, archt., 1007 Builders Exch., for apartments, each 3 story and basement, 68x102 ft., brick and concrete, Dupont Ave. South, 35th St., to Fleisher Constr. Co., 1000 Builders Exch., about $100,000 each.

Neb., Grand Island—High School—S. E. Sinke, secy. Bd. Educ., Senior High School, 2 story and basement, 240x260 ft., rein.-con. and brick to Rokahr & Sons, 174 South 24th St., Lincoln, $289,500. Noted Aug. 14.

S. D., Deadwood—School—Bd. Educ., general contract 3 story and basement, 68x130 ft., rein.-con., brick, tile, and stone, to H. Carlson Co., 407 Minnehaha Blk., Sioux Falls $175,000. Noted Aug. 7.

Mo., Kirksville — Liberty—Bd. Regents State Teachers College, general contract 3 story and basement, rein.-con., brick and stone, to G. D. Shipley, Princeton. Noted Aug. 14.

Mo., St. Louis—Convent—Little Sisters of The Poor, 3400 South Grand Blvd., 4 story and basement, 36 x 126 ft. and 36 x 70 ft., rein.-con. and brick additions, to C. W. Schuler Co., 2838 Texas St. Archts. est. $150,000.

Mo., St. Louis — Hospital — Christian Hospital, 3540 North Grand Blvd., general contract 5 story, 113 x 134 ft., rein.-con., brick, stone and steel, Newstead St., to Dickie Constr. Co., Syndicate Trust Bldg. Archts. est. $275,000.

Mo., St. Louis—Office—Standard Oil Co. of Indiana, Syndicate Trust Bldg. general contract 3 story and basement, rein.-con. and brick, plain foundation, Locust and Jefferson Sts., to Woerman Constr. Co., 1441 Syndicate Trust Bldg. Archts. est. $200,000.

Tex., Austin—Hotel—J. Osborne, c/o Avenue Hotel, general contract 1 story and basement, 92 x 126 ft., and 4 additional storys 45 x 126 ft., rein.-con. and brick, 6th Guadalupe Sts., to L. V. Jambers, c/o Jefferson Hotel, San Antonio, $146,750. Noted July 10.

Tex., Kingsville—College—State Building Comn., general contract teachers college, rein.-con. and brick, plain foundation, to H. N. Jones Constr. Co., 212 Losoya St., San Antonio, $222,143. Noted Aug. 7.

Tex., San Antonio — Church — Baptist Church, Maverick Bldg., 2 story and basement, 80 x 110 ft., rein.-con., brick and stone, plain foundation, 126 4th St., to L. T. Wright & Co., City Natl. Bank Bldg. $158,981.

Calif., Los Angeles—Apartment—V. R. Urson, 6427 Yucca St., 4 story and basement approximately 60x125 ft., brick, 7th and Mariposa Sts., to Edwards, Wildey & Dixon, Black Bldg., $155,000.

Calif., Los Angeles—Library—Library Directors, 4 story and tower, 200 x 325 ft., rein.-con., plain foundation, 5th St., to Clinton Constr. Co., Stock Exchange Bldg., $1,352,528. Former contract rescinded. Noted Aug. 28.

Calif., Los Angeles—Store and Apartment—G. Dombrowski, 4375 Moneta Ave., will build 3 story and basement, 169 x 200 ft., brick, Crescent Heights Blvd., by day labor. J. M. Kunst, Cotton Exchange Bldg., archt.

Calif., Pasadena—Theatre, Store, Apartment and Office—W. M. Patch, representing interests, 630 Ladera St., 2 and 3 story, 115 x 200 ft., brick and concrete, Washington St., to W. R. Bell, 1640 East Mountain St., $160,000. Noted Feb. 7.

Calif., Redwood City—Clubhouse, Hotel, etc.—Syndicate represented by C. E. Pringle, 3 story, rein.-con. clubhouse, hotel and golf course, Woodside Rd., to Cahill Bros., 55 New Montgomery St., San Francisco, approximately $300,000.

Calif., San Francisco—Apartment—E. V. Lacey, 180 Jessie St., had plans prepared by J. C. Hladik, Monadnock Bldg., 6 story and basement, rein.-con., Eddy St. near Larkin St. $160,000. Work will be done by day labor.

Ont., Toronto — Exchange — Bell Telephone Co., 76 Adelaide St. W., general contract exchange, Dufferin and Bloor Sts., to Jackson Lewis Co. Ltd., Ryrie Bldg.

Federal Government Work

PROPOSED WORK

Mass., Boston—Roof—Spec. 5013—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans roof on foundry building in Navy Yard, here.

Mass., Northampton—Recreation—U. S. Veterans Bureau, Wash., D. C., plans 1 story and basement, 64 x 112 ft. recreation building, here.

N. Y., Castle Point—Steel—Treas. Dept. at office Supervising Archt., Wash., D. C., received no bids furnishing steel for recreation building at U. S. Veterans Hospital, here.

Pa., Phila.—Dredging—Spec. 5018—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans dredging, here.

Va., Quantico—Sewer—Spec. 4997—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans sewer in marine flying field, here.

Mo., Jefferson Barracks—Hospital—U. S. Veterans Bureau, Wash., D. C., making preliminary plans 3 story, rein.-con., brick and stone addition to U. S. Veterans Hospital 92, here.

Idaho—U. S. Bureau Pub. Rds., Ogden, Utah, soon takes bids grading and surfacing 8.79 mi. road between Stites and Harpster, incl. two 10 ft. and three 20 ft. timber bridges, here

Cuba, Guantanamo—Steel Water Tank—Spec. 4977—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans steel water tank at U. S. Naval Sta., here.

BIDS DESIRED

Mass., Rutland—Sand Filter—Sept. 30, by U. S. Engineer, Arlington Bldg., Wash., D. C., complete sand filter at U. S. Veterans Hospital 89, here.

Federal Government Work (Continued)

N. Y., New York—Dredging—Oct. 6, by U. S. Engineer Office, Room 710 Army Bldg., 39 Whitehall St., dredging and rock removal in East River; adv. E. N.-R. Sept. 11.

N. Y., New York—Dredging—Sept. 22, by U. S. Engineer Office War Dept., Wash., D. C., dredging 660,000 cu.yd. in New York and New Jersey Channels, here.

Pa., Allentown—Post Office—Sept. 22, by Treas. Dept. at office Supervising Archt., Wash., D. C., post office, changes, here.

Pa., Pittsburgh—Water Pipe—Sept. 16, by Treas. Dept. at office Supervising Archt., Wash., D. C., furnishing and installing water pipe at post office. Adv. E. N.-R., Sept. 11.

Pa., Washington—Wiring—Sept. 16, by Treas. Dept. at office Supervising Archt., Wash., D. C., wiring post office, here.

Va., Norfolk—Caisson Gate—Spec. 5017—Sept. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., caisson gate for Dry Dock 1, here.

O., Steubenville—Building—Oct. 6, by Treas. Dept. at office Supervising Archt., Wash., D. C., 2 story, 100 x 118 ft. building, here; adv. E. N.-R. Sept. 11.

Tex., Pittsburgh—Building—Oct. 8, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story and basement building, here; adv. E. N.-R. Sept. 11.

Calif., Mare Island—Ward—Spec. 4979—Oct. 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., psychopathic ward, here.

Calif., Oakland—Dredging—Sept. 20, by U. S. Engineer, War Dept., Wash., D. C., dredging 525,000 cu.yd. in Oakland Harbor, here.

BIDS RECEIVED

Mass., Chelsea — Storehouse — Superintendent Lighthouses, Boston, storehouse, here, from Howard Bros., 412 Dorchester Ave., Boston, $26,700. Noted Aug. 21.

N. Y., Walden — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, post office, here, from E. Zimmerli, State College, Pa., $52,400. Noted Aug. 7.

Pa., Wilkes-Barre—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here, from W. L. Morrison Constr. Co., Wash., D. C., $14,540. Noted Aug. 14.

Del., Reedy Island — Water Pumps — Treas. Dept. at office Supervising Archt., Wash., D. C., new pumps, etc., at U. S. Quarantine Sta., here, from English Constr. Co., 15 West 91st St., New York City, $4,600 (90 days). Noted Aug. 14.

Ky., Louisville—Dipper Dredges—U. S. Engineer Office, 3 dipper dredges, from Dravo Contg. Co., 302 Penn Ave., Pittsburgh, Pa., (1) $229,100 (2) $426,500 (3) $161,500 (4) $364,500 (5) $557,000. Noted July 10.

Ill., Great Lakes—Trestle—Spec. 5007—Bureau Yards & Docks, Navy Dept., Wash. D. C., railroad trestle replacement at Naval Training Sta., here, from Waukegan Eng. & Constr. Co., 702 Ridgland Ave., Waukeegan, (1) $4,270 (2) $1,337. Noted Aug. 14.

Minn., Duluth—Rip Rap—U. S. Engineer Office, War Dept., Wash., D. C., rip rap and breakwater repairs at Keeweenan Waterway, to T. L. Darocher Co., Detour, Mich., $49,966. Noted Aug. 14.

CONTRACTS AWARDED

R. I., Providence—Dredging—U. S. Engineer Office, Providence, maintenance dredging in Housatonic River, Conn., to Bridgeport Dredge & Dock Co., Bridgeport, Conn., $6,880. Noted July 17.

N. Y., Brooklyn—Bridge—Bureau Yards & Docks, Navy Dept., Wash. D. C., bridge between buildings A and E, at Naval Hospital, here, to Heathy & Little, Inc., 324 West 42nd St., New York, $5,586 (120 days). Note Aug. 28.

N. Y., Brooklyn—Floor—Spec. 4978—Bureau Yards & Docks, Navy Dept., Wash. D. C., flooring at Naval Hospital, here, to Hachmeister-Lind Chemical Co., Island Ave., McKees Rocks, Pa., $9,946 (75 days). Noted July 17.

N. Y., Waterloo—Post Office—Treas. Dept. at office Supervising, Archt., Wash., D. C., 1 story, 50 x 75 ft. post office, to E. W. Foley, 1 East Main St., $48,082 (12 months). Noted June 26.

Pa., Phila.—Maintenance and Improvement—U. S. Engineers Office, 1307 Schaff Bldg., maintenance and improving existing River and Harbor works in Delaware River, from Phila. to sea, to General Ship Repair Co. 113 Walnut St., $206,615. Noted Aug. 21.

D. C., Wash—Heating System—Bureau Yards & Docks, Navy Dept., Wash. D. C., remodeling heating system in Marine Barracks, to G. and H. Heating Co., 917 H. St., $6,425.

W. Va., Huntington—Riprap—U. S. Engineers Office War Dept., Wash., D. C., rip rap at Dam 32, Ohio River, here, to H. Campbell & Sons, Huntington, W. Va., $38,-850. Noted July 24.

N. C., Oteen—Waterworks, etc.—U. S. Veterans Bureau, Room 791, Arlington Bldg., Wash., D. C., septic tank, sludge bed, alterations and extending water and sewerage systems at U. S. Veterans Hospital 60, here, to A. C. Samford, Gulfport, Miss., $18,986. Noted Aug. 7.

Ala., Florence — Head Gate Operating Rigs—U. S. Engineer Office, 24 head gate operating rigs for power house at Wilson Dam, Tennesse River, to McGann Mfg. Co., York, Pa., $41,583. Noted July 31.

Ky., Louisville—Steel Sheet Piling—U. S. Engineer Office War Dept., Wash., D. C., furnishing steel sheet piling, here, to Bethlehem Steel Co., Bethlehem, Pa., $62,474.

Tex., Mt. Pleasant—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., post office, here, to A. M. Lundberg, Times Bldg., St. Louis, Mo., $41,800.

Idaho—Roads—C. H. Purcell, dist. engr. Bureau Pub. Rds., U. S. Dept. Agriculture, Davenport Hotel, Spokane, Wash., widening and resurfacing Fourth of July Cannon Rd., Kootenai Co., to Woodruff & Wilson, Sunnyside, Wash., $91,183, also 0.72 mi. highway in Boundry Co., to J. A. Tertling & Son, Moscow, $30,660.

Calif., Tiburon — Coal Trestle — Spec. 4989—Bureau Yards & Docks, Navy Dept., Wash., D. C., steel coal trestle at Naval Coal Depot, here, to Minneapolis Steel & Mchy. Co., 1029 Chapman Bldg., Los Angeles, $17,573 (150 days). Noted Aug. 28.

Calif., Tiburon—Fender System—Spec. 5002—Bureau Yards & Docks, Navy Dept., Wash., D. C., renewal of fender system at Naval Coal Depot, to M. B. McGowan, 180 Jessie St., San Francisco, $28,987 (120 days). Noted Aug. 28.

Calif., San Francisco—Grading—Spec. 5012—Bureau Yards & Docks, Navy Dept., Wash., D. C., grading at Marine Corps Supply Depot, to Farrar & Carlin, 185 Stevenson St., $13,120 (45 days). Noted Aug. 14.

H. T., Pearl Harbor—Steel Water Tank—Spec. 4922—Bureau Yards & Docks, Navy Dept., Wash., D. C., elevated steel water tank at Naval Sta., here, to Pittsburgh-Des Moines Steel Co., 1212 Virginia Ry. & Power Bldg., Richmond, Va., $51,-152. Noted Aug. 21.

Unclassified

PROPOSED WORK

Jetties—Margate, N. J.—Plans system of stone jetties along ocean front. E. D. Rightmire, town engr.

Ports, Wharfs, etc.—North Carolina.—State Legislature, Raleigh, election Nov. 4, $8,500,000 bonds, ports, wharfs, docks, etc., and for purchase and operation of steamships by State. W. N. Everette, Raleigh, secy. state.

• **Transmission Line — Lucama, N. C.** — Making plans 4.3 mi. 2,300 volt transmission line and distribution system. $25,000. J. B. McCrary Co., Citizens & Savings Bank Bldg., Atlanta, Ga., engrs.

Pier—Tampa, Fla.—City Comn. having plans prepared by F. Winn, archt., fishing pier on city property at Ballast Pt. R. D. Malbia, City Hall, engr.

Gas Lines — New Orleans, La. — Mayor McShane appointed P. H. Maloney, comr. Pub. Utility, H. Henderson and N. Callan of Sewerage & Water Bd., to make survey and report on practicability of piping natural gas to city, from Louisiana Gas Fields. Noted Aug. 14.

Tunnel—Dallas, Tex.—Houston & Texas Central R.R., c/o Southern Pacific Ry., Franklin & Travis Sts., making plans tunnel under tracks to extend Fitzhugh Ave., eliminating detours. $40,000. E. A. Kingsley, city engr. Owners engineers.

Pipe Line and Stations—California—Pan American Petroleum Co., Security Bldg., Los Angeles plans 140 mi. pipe line between refinery, Los Angeles and the Elk Hills oil field at Taft, Kern Co., $5,000,000. W. L. Wilcox, Security Bldg., Los Angeles engr.

Subway—Fresno, Calif.—See "Streets and Roads."

Ice Skating Rink—Los Angeles, Calif.—Los Angeles Ice Skating Assn., J. M. Cooper, archt., Marsh-Strong Bldg., had plans prepared skating rink, brick, Melrose Ave.

Street Lighting, Police and Fire Signal Systems—Pasadena, Calif.—Making plans street lighting, police and fire alarm signal systems, in Green St., Euclid Ave. and other streets. To exceed $25,000. W. C. Earle, city engr.

Rock Crushing Plant—Visalia, Calif.—Coast Rock and Gravel Co., Call Bldg., San Francisco, plans rock crushing plant. A. D. Hadsel, operating mgr. To exceed $200,000 incl. equipment.

Power Development — Ulverton, Que.—Canada Paper Co. Ltd., Windsor Mills, making plans concrete dam and water power development on St. Francis River. $800,000. H. Holgate, 235 Beverly Hall, Montreal, engr.

Amusement Park—Verdun, Que.—Calcos Island Amusement Co., Ltd., 309 Transportation Bldg., Montreal, plans amusement park. $500,000. Engineer not appointed.

Power Line — Ontario — Ontario Hydro Power Comn., University Ave., Toronto, plans new power line from Clinton to Bayfield. A. Beck, London, chn.

Power Lines—Ontario—Ontario Hydro Power Comn., University Ave., Toronto plans to extend power lines from, Wascells Falls to Washago and Severn Bridge. $30,000. A. Beck, London, chn.

Grain Elevator — Ft. William, Ont. — North Western Elevator Co., Ltd., plans rebuilding grain elevator recently destroyed by fire. $100,000. Private plans.

Subway—Toronto, Ont.—Canadian Pacific Ry., Windsor Sta., Montreal, Que., soon takes bids subway, concrete abutments, steel superstructure, under tracks on Bloor St., here. $100,000. B. Ripley, Room 341 New Union St., Toronton, engr.

Transmission Line—Wilton Grove, Ont.—Hydro Electric Power Comn., 190 University Ave., Toronto, plans 8 mi. transmission line in Westminster Twp. $40,000. F. A. Gaby c/o owner, ch. engr.

BIDS DESIRED

Bleachers — Roxbury (Boston P. O.), Mass.—Sept. 17, by Park Dept., 33 Beacon St., grading and concrete bleachers at William Eustis Playground. $25,000. J. B. Shea, chn. Noted Aug. 21.

Conduit—Mamaroneck, N. Y.—Sept. 22, by Bd. Trustees, conduit, etc., on causeway and Harbor Island to disposal works. J. M. Duffy, village engr.; adv. E. N.-R. Sept. 11.

Breakwater—Corpus Christi, Tex.—Sept. 30, by R. J. Cummings, engr., 727 Mortgage Bank Bldg., Houston, City Comn. and Navigation Dist. 19 R. Driscoll, Corpus Christi, breakwater.

Car Barn and Machine Shop—San Francisco, Calif.—Sept. 17, by Bd. Pub. Wks., 2 story, rein.-con. addition to car barn and machine shop, 17th St., for City and San Francisco Co. $150,000. Noted Sept. 4.

Pipe, etc.—Merced, Calif.—Sept. 20, by Directors Merced Irrigation Dist., H. P. Sargent, secy., 260 lin.ft 60 in. and 450 lin.ft. 96 in. diam. riveted steel pipe, 3,400 lin.ft. 24 in. copper plate formed and punched, 125 lin.ft. 6 in. steel pipe, etc. for Exchequer Dam and Power House. R. V. Meikle, ch. engr. for district.

Wharf—Grondines, Que.—Sept. 15, by Dept. Pub. Wks., concrete and stone wharf. Noted Aug. 14.

Wharf — Lotbiniere, Que.—Sept. 15, at office S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, construcing portion of wharf, here. $35,000.

Wharf—Rimouski, Que.—Sept. 15, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., reconstructing breakwater wharf in crib and concrete, here. $35,000. R. M. Cameron, ch. engr.

Wharf—Sorel, Que.—Sept. 16, by S. E. O'Brien, secy. Dept. Pub. Wks., concrete wharf 475 ft. long. $50,000.

BIDS RECEIVED

Heating and Ventilating System — Plymouth, Mass. — See "Buildings—Commercial."

Fire Alarm System—Brooklyn, N. Y.—T. J. Drennan, fire comr. Municipal Bldg., New York, constructing portion of underground fire alarm system, here, from W. F. Kenney Co., 44 East 23rd St., New York, (1) $7,295; from J. Sugden, 17 West 42nd St., New York, (2) $17,700. Noted Sept. 4.

Mechanical Equipment, Plumbing, etc.—New York, N. Y.—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, mechanical equipment for P. S. 19, Katonah Ave., from Nally Plumbing & Contg. Co., 172 West 98th St., $27,922; plumbing, from D. J. Rice, 42nd St. and Lexington Ave., $50,-785; electric wiring, from Jandous Electric Equipment Co., 109 West 31st St., $22,680.

Unclassified (Continued)

Plumbing, Heating and Ventilating, etc.—New York, N. Y.—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, Sept. 8, plumbing in P. S. 173, Ft. Washington Ave., from Nally Plumbing & Contg. Co., 172 West 98th St., $41,359; electric wiring, etc., from T. F. Jackson Inc., 99 John St., $28,000; heating and ventilating apparatus from D. J. Rice, 42nd St. and Lexington Ave., $88,269.

Heating, Plumbing, etc.—Morris Plains, N. J.—See "Buildings—Commercial."

Wall—Trenton, N. J.—City Comn., concrete retaining wall along John Fitch Way at Delaware River, from Grant & Driver, McKinley Ave., $89,282. Noted Aug. 28.

Heating—Phila., Pa.—See "Buildings—Commercial."

Sheds — New Orleans, La. — Bd. Port Comrs., New Court Bldg., raising, altering and enlarging Erato St. sheds, from Jefferson Constr. Co., 823 Poydras St., $38,168.

Arena—Lubbock, Tex. — Texas Technological College, stock judging arena, from Rice Constr. Co., Amarillo, $29,688. Engrs. est. $30,000.

CONTRACTS AWARDED

Piers—Boston, Mass.—Dept. Pub. Wks., 2 concrete piers at Dartmouth St. Bridge over tracks Boston and Albany R.R., to New England Foundation Co., Inc., 120 Tremont St., $16,480. Engrs. est. $25,000. Noted Aug. 7.

Heating and Plumbing — Fall River, Mass.—See "Buildings—Commercial."

Swimming Pool and Bath House—Phila., Pa.—General contract 35 x 90 ft. swimming pool and 1 story, 62 x 207 ft. bath house, Torresdale Ave. and Wakeling St., to McCormick-Lenhan Co., 2403 South Broad St. $37,574.

Pier—Williamsport, Pa.—See "Bridges."

Wharf — New Orleans, La. — Bd. Port Comrs., New Courthouse, removing old Louisville & Nashville R.R. wharf, and constructing concrete footing, walls and piling for Julia St. Wharf, to J. Reiss, Carondelet Bldg., $50,156; furnishing steel for Bethlehem Sect., to Lukens Steel Co., 626 South Peters St., $26,048. Noted Aug. 28.

Conduits—Detroit, Mich.—Pub. Lighting Comn., East Atwater St., conduits for transmission cables for new lighting plant in Morrell St. from West Jefferson Ave. to Porter St., and from switching station in Benson St. to substation in Townsend Ave., to R. A. Mercier, 5435 Wesson Ave., $57,631.

Foundation — Springfield, Ill. — Meyer Bros. Clothing Co., foundation for 10 story and basement, 80 x 160 ft., rein.-con., brick and steel store and office building, 5th and Washington Sts., to C. H. Shenk, 1329 South 6th St., Springfield.

Heating and Plumbing—Milwaukee, Wis.—See "Buildings—Commercial."

Heating and Plumbing—Des Moines, Ia.—See "Buildings—Commercial."

Foundation—Dallas, Tex.—J. H. McDonough, 3200 Williams St., foundation 7 story and basement bank, Wolf St. and Maple Ave., to Hicky & Montgomery, 808½ Commerce St., $600,000.

Grand Stand, etc.—Ennis, Tex.—Steel and concrete grand stand and athletic field, to F. U. Lauderdale, Ennis, $30,000. Noted Aug. 14.

Street Lighting System—Napa, Calif.—For 153 single standards in portions of Coombs, 3rd and Clay Sts., etc., to Reid Co., 115 Mission St., $35,879. Engrs. est. $31,500, Noted Aug. 7.

Golf Course—Redwood City, Calif.—See "Buildings—Commercial."

Jetty—Vancouver, B. C.—Harbor Comrs., 625 Seymour St., 66 x 1,000 ft. jetty, timber on piles with steel elevated superstructure, to Northern Constr. Co., 736 Granville St., $250,000

Material and Equipment

PROPOSED WORK

Vacuum Street Sweeper—Anaheim, Calif.—Plans to purchase vacuum street sweeper. $9,000 available.

Eductor — San Francisco, Calif. — L. Leavy, city purch. agt., plans to purchase one Otterson eductor mounted on 5 ton truck with Sewell cushion wheels, for use in Sewer Dept.

BIDS DESIRED

Trenching Machine—Sharonville, O.—A. H. Nutty, R.R. 1, in market for trenching machine. $16,000.

Wire—Detroit, Mich.—Sept. 15, at office Dept. Street Railways, Administration Bldg., St. Jean and Shoemaker Aves., furnishing 15 mi. 2/0 hard drawn round copper trolley wire. F. Meyer, Jr., purch. agt.

Grader—Appleton, Wis.—Sept. 17, by E. L. Williams, city clk., 1 power grader on gasoline or kerosene driven motor, caterpillar or hard rubber wheel tractor.

Motor Truck — Marinette, Wis. — S. O'Shea, city clk., in market for 1 motor truck, several ton capacity, for use in Street Dept.

Engines, etc. — Doniphan, Mo.—S. C. Danner, pres. Doniphan Light & Ice Co., taking bids 2 oil engine, 60 or 70 hp. direct connected to generators of 50 or 55 kw. each, transformers, wire and hardware, etc. for distribution lines, 10 ton raw water ice plant with 2 ton refrigeration, etc. Private plans.

Clam Bucket—St. Joseph, Mo.—Judson Eng. & Contg. Co., 1811 Farson St., taking bids ½ yd. clam bucket.

Pipe — Nicasio, Calif. — Pacheco School Dist., D. D. McIsaac, clk., in market for 4,000 ft. ½ in. galvanized pipe.

Piping, etc.—Glencoe, Ont.—J. A. Raeburn in market equipment and piping for drilling oil. $40,000.

Cable, etc.—Melbourne, Australia—Nov. 24, by R. Liddelow, secy, State Electricity Comn. of Victoria, 22,000 volt cable and accessories, Spec. 24/90, for Yallourn Power Scheme; adv. E. N.-R. Sept. 11.

Transformers etc.—Melbourne, Australia—Dec. 1, by R. Liddelow, secy. State Electricity Comn. of Victoria, 66,000 volt transformers, induction regulators, etc., for Yallourn Power Scheme; adv. E. N.-R. Sept. 11.

BIDS RECEIVED

Paving Blocks, etc.—Brooklyn, N. Y.—E. Riegelmann, boro pres., Boro Hall, furnishing 75,000 asphalt paving blocks, from Hastings Pavement Co., 25 Broad St., New York, $7,357; 75,000 granite paving blocks from St. George Granite Co., 90 West St., New York, $9,825; 75,000 wood paving blocks, from Amer. Creosoting Co., 17 Battery Pl., New York, $3,893; 3,500 cu.yd. steam cinders, from B. Turecamo Contg. Co., 8706 Bay 12th St., $3,902; 2,500 tons limestone dust, from New York Trap Rock Co., 101 Park Ave., New York, $16,725.

CONTRACTS AWARDED

Trucks—St. George, N. Y.—J. A. Lynch, pres. Richmond Boro., Boro Hall, 2 trucks with snow plow attachments, to International Harvester Co., Grand Central Palace, New York, $10,096. Noted Aug. 14.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: Sept. 19.

Dam at Lake Hopatcong

STATE OF NEW JERSEY
MORRIS CANAL AND BANKING CO.

Dover, N. J.

Notice is hereby given that sealed proposals will be received by the Morris Canal and Banking Company for furnishing all labor and materials for the construction of a concrete dam at the outlet of Lake Hopatcong, New Jersey, together with all work appurtenant thereto.

Proposals will be received at the Engineering Offices of the Company, Arrow Building, Blackwell and Sussex Streets, Dover, New Jersey, on Friday, September 19th, 1924, at eleven o'clock (11 a.m.) Daylight Saving Time, and will be opened and read thereafter.

Drawings, specifications and form of proposal, contract and bond are on file in the offices of Cornelius O. Vermeule, Consulting and Directing Engineer, at Dover, N. J., and 38 Park Row, New York City, and may be inspected by prospective bidders during business hours. Plans and specifications will be furnished to prospective bidders upon a deposit of Ten Dollars ($10.00), which will be refunded upon return in good condition before the opening of bids.

Each proposal must be accompanied by a certificate from a surety company authorized to do business in New Jersey stating that such surety company will provide those making the proposal with the required bond.

Proposals must be delivered at the place and before the hour named. The right is reserved to reject any or all bids.

HENRY B. KUMMEL,
General Manager.

OFFICIAL PROPOSALS

Bids: Sept. 22.

Conduit

Mamaroneck, N. Y.

Proposals for construction of a conduit with manholes, etc., on causeway and Harbor Island to Disposal Works, will be received by the Board of Trustees of the Village of Mamaroneck, N. Y., at the Village Rooms, until 8.30 p.m., Daylight Saving Time, on Monday, September 22, 1924, and then publicly opened.

The right is reserved to reject any or all bids or parts of bids, and to accept whatever bid or section of bid, which may in the judgment of the Board of Trustees be most advantageous to the Village, and to readvertise the work, or to take any other action relative thereto which may seem to them right and proper.

All plans and specifications may be obtained at the office of J. M. Duffy, Village Engineer, 33 East Post Road, Mamaroneck, New York.

ENGINEER'S ESTIMATE

The Engineer's estimate of the approximate amount of work to be done includes the following items:

Item 1. 5 Way Concrete Duct Bank, 1,200 L. F.

Item 2. No. 2 Duplex Cable (Lead Covered), 2,400 L. F.

Item 3. Splicing Chambers (Reinforced Concrete), 5.

Item 4. Telephone Splicing Boxes (Reinforced Concrete), 3.

Item 5. Reinforced Concrete Slab 3' wide x 6" thick, 16 Cu. Yds.

CERTIFIED CHECKS

Each bid must be accompanied by a certified check for five (5) per cent of the amount of the bid, made payable to the Treasurer of the Village of Mamaroneck.

The checks of the unsuccessful bidders will be returned to them immediately upon the awarding of the contract.

OFFICIAL PROPOSALS

In case of failure to sign contract, the certified checks accompanying the accepted bid shall be forfeited to the Village of Mamaroneck.

EXECUTION OF CONTRACT AND BOND

The bidder whose proposal is accepted will be required to enter into a contract within 5 days thereafter, giving a Surety Company bond acceptable to the Board of Trustees of the Village of Mamaroneck, for an amount equal to 50% of the amount of the bid, and his check will be returned to him upon the signing of the contract.

Dated, Mamaroneck, New York.
September 9th, 1924.

FRED T. WILSON,
Village Clerk.

Bids: Sept. 15.

Sewer

Ogdensburg, N. Y.

Bids will be received by the Board of Public Works, City of Ogdensburg, New York, for the construction of 2,700 feet of 24" sewer and 14 manholes in Covington and Pearl Streets and Monroe Avenue, in accordance with plans and specifications prepared by the City Engineer and approved by the Board of Public Works. Bids to be received at the Office of the City Clerk up to 5 o'clock p.m., September 15th, and to be by the lineal foot for the sewer and by the vertical foot for the manholes.

Plans and specifications may be had on application at the office of the City Clerk.

The Board of Public Works reserves the right to reject any or all bids.

BOARD OF PUBLIC WORKS
By D. J. CRICHTON,
City Clerk

Dated, September 3, 1924.

Official Proposals continued on following page

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

(Continued from preceding page.)

OFFICIAL PROPOSALS

Bids: Sept. 17.

Sewerage System and Treatment Plant

Little Ferry, N. J.

The Mayor and Council of the Borough of Little Ferry, Bergen County, New Jersey, request proposals for the following work, to wit:

Section 1—For the construction of a System of Sewers and Appurtenances in the Northeasterly Section.

Section 2—For the construction of a System of Sewers and Appurtenances in the Northwesterly Section.

Section 3—For the construction of a System of Sewers and Appurtenances in the Southerly Section.

Section 4—For the construction of a Sewage Treatment Works and Appurtenances and Pumping and Ejector Stations.

The plan and specifications, form of proposals, contracts, form of bonds required may be seen at the offices of Thomas F. Bowe, Consulting Engineer, 110 William Street, New York City, and George M. Foulds, Borough Engineer, 208 Main Street, Hackensack, New Jersey. Copies of such plans and specifications may be obtained on making a deposit of twenty-five dollars ($25.00) (cash or certified check) fifteen dollars ($15.00) of which deposit will be refunded upon return of the plans and specifications five (5) days after the receipt of proposals complete and in good condition.

Bidders may submit proposals upon any of the aforesaid sections and such bids will be considered by the Mayor and Council, and the right is expressly reserved to award one or any of the contracts to any one bidder, or all contracts to one bidder. The right is expressly reserved to reject any or all bids, to waive any informality in the bids received and to accept any bid which is deemed the most favorable to the interests of the Borough of Little Ferry, Bergen County, New Jersey.

All bids must be made upon a form of proposal to be obtained from the Engineers and must give the prices both in writing and figures and must give such other information and be signed in the manner indicated by the form of proposal. Each bid must be accompanied by a certified check on some solvent bank; in the amount of five (5%) per cent of the price bid. The certified checks shall be made payable to the Borough of Little Ferry; checks of the unsuccessful bidders will be returned immediately upon the award of each of the respective contracts. The check of the successful bidders will be returned to the bidder upon the execution of the contract and the furnishing of the bond required, within ten days after the date of the award thereof, or within such extended time as may be determined by the Mayor and Council. In case of failure to execute the required contract or contracts and furnish the required bonds within such time, such check shall be forfeited to the Mayor and Council of Little Ferry, N. J., as liquidated damages.

The proposals herein required shall be presented to the Mayor and Council of the Borough of Little Ferry, Bergen County, New Jersey, at the Council Rooms, corner of Washington Avenue and Liberty Street, Little Ferry, Bergen County, New Jersey, on Wednesday, September 17th, at 8:30 P.M., Daylight Saving Time. No bids will be received prior to said hour and none thereafter. The proposals shall be submitted in sealed envelopes or packages and endorsed respectively as follows:

1. Proposal for the construction of a System of Sewers and Appurtenances, Northeasterly Section.

2. Proposal for the construction of a System of Sewers and Appurtenances, Northwesterly Section.

3. Proposal for the construction of a System of Sewers and Appurtenances, Southerly Section.

4. Proposal for the construction of a Sewage Treatment Works and Appurtenances and Pumping and Ejector Stations.

Dated August 26, 1924.

Mayor and Council of the Borough of Little Ferry.

By GEORGE ZIMMERMAN,
Borough Clerk.

THOMAS F. BOWE,
Consulting Engineer.

OFFICIAL PROPOSALS

Bids: Sept. 17.

Bridge No. U-11

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Monmouth for the completion of the Construction of Bridge No. U-11, consisting of a twenty-six (26) foot I-beam span encased in concrete and an earth dam containing a sheet pile and reinforced concrete core-wall, in accordance with plans, specifications, contract and supplemental agreement entered into between the County of Monmouth and Royal J. Mansfield and declared abandoned by the Board of Chosen Freeholders of the County of Monmouth, and opened and read in public at the rooms of said board, Court House, Freehold, New Jersey, on Wednesday, September 17, 1924, at 11 A.M., standard time.

Drawings and specifications for the proposed work, prepared by George K. Allen, Jr., County Engineer, together with copies of the contract, supplemental agreement and statement as to the amount of work already completed, have been filed in the office of said Engineer at 60 Broad Street, Red Bank, New Jersey, and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished to prospective bidders upon payment of Ten Dollars ($10.00), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of proposed work on the outside, addressed to the Board of Chosen Freeholders of the County of Monmouth and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work, payable to the order of the County Treasurer and a surety company certificate stating that said surety company will provide the bidder with the required bond, and must be delivered at the place and before the hour above named.

The Board of Chosen Freeholders of the County of Monmouth reserves the right to reject any or all bids if deemed to the best interests of the County so to do.

By order of the Board of Chosen Freeholders of the County of Monmouth.

BRYANT B. NEWCOMB,
Director.

Attest:
CHARLES E. COLE,
Clerk.

Freehold, N. J., Aug. 20, 1924.

OFFICIAL PROPOSALS

Bids: Sept. 26.

General Excavation

Raleigh, N. C.

Bids will be received at the office of the Secretary of State, Raleigh, N. C., at noon on September 26, 1924, for the general excavation for the Department of State Building, corner of Morgan and Salisbury Streets, Raleigh.

Information concerning this work can be obtained at the office of Atwood & Nash, Architects and Engineers, Chapel Hill, N. C.

A certified check in the amount of five per cent of the bid will be required as a guarantee of execution of the contract.

The right is reserved to reject any or all bids or to accept any bid.

W. N. EVERETT,
Secretary of State.

Dated September 4, 1924.

Bids: Sept. 26.

Exterior Limestone

Raleigh, N. C.

Bids will be received at the office of the Secretary of State, Raleigh, N. C., at noon on September 26, 1924, for the exterior limestone for the Department of State Building, corner of Morgan and Salisbury Streets, Raleigh.

Information concerning this work can be obtained at the office of Atwood & Nash, Architects & Engineers, Chapel Hill, N. C.

A certified check in the amount of five per cent of the bid will be required as a guarantee of execution of the contract.

The right is reserved to reject any or all bids or to accept any bid.

W. N. EVERETT,
Secretary of State.

Dated September 4, 1924.

Bids: Sept. 26.

Structural Steel Frame

Raleigh, N. C.

Bids will be received at the office of the Secretary of State, Raleigh, N. C., at noon on September 26, 1924, for the structural steel frame for the Department of State Building, corner of Morgan and Salisbury Streets, Raleigh.

Information concerning this work can be obtained at the office of Atwood & Nash, Architects & Engineers, Chapel Hill, N. C.

A certified check in the amount of five per cent of the bid will be required as a guarantee of execution of the contract.

The right is reserved to reject any or all bids or to accept any bid.

W. N. EVERETT,
Secretary of State.

Dated September 4, 1924.

Bids: Sept. 23.

Highway Work

Harrisburg, Pa.

Pennsylvania Department of Highways, Harrisburg, Pennsylvania. Bids will be received September 23, 1924, for construction of seven projects, totaling fifteen miles, construction to be either bituminous surface on a concrete base or reinforced concrete. Projects situated in the following counties:

Erie, Indiana, Lackawanna, Lebanon, Northumberland, Venango, Washington.

Full particulars upon application to P. D. WRIGHT, Secretary of Highways, Harrisburg, Pennsylvania.